

SERVICE MANUAL

SERVICE MANUAL SECTION

FE 300 Models Built June 11, 2007 and After — ELECTRICAL CIRCUIT DIAGRAMS

**Model: FE 300
Start Date: 06/11/2007**

S08331

09/12/2007

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1. TABLE OF CONTENTS (CHAPTER 1)

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2.1. ABBREVIATIONS, P. 1

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

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|---------|-------------------|-----|-----------|--------------------|------------------------------------|
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
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Figure 1 Abbreviations

2.2. ACRONYMS, P. 2

| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 | | | |
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| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | ACRONYMS | | | |
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2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

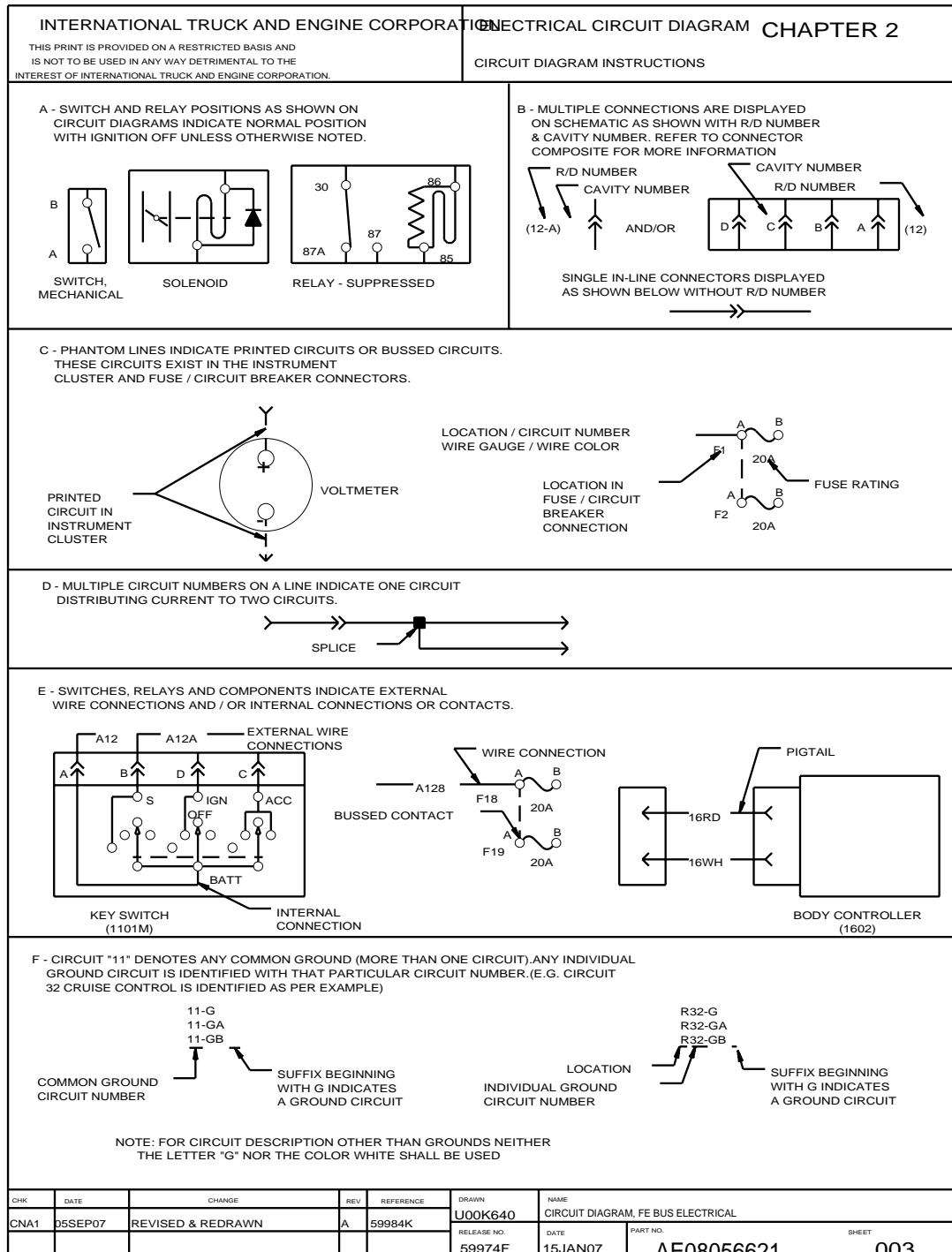


Figure 3 Circuit Diagram Instructions

2.4. CIRCUIT DIAGRAM INSTRUCTIONS, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR

| CIRCUIT NUMBER | COLOR | DESCRIPTION |
|----------------|-------|--|
| 1 | LTBL | ALTERNATOR - FIELD |
| 2 | RD | ALTERNATOR - CHARGE |
| 3 | DKBL | SERIAL / DATA COMMUNICATION J1587 / J1708 (+) |
| | GY | SERIAL / DATA COMMUNICATION J1587 / J1708 (-) |
| 4 | DKBL | SERIAL / DATA COMMUNICATION J1922 (+) |
| | GY | SERIAL / DATA COMMUNICATION J1922 (-) |
| 5 | YL | SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (+) |
| | GN | SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (-) |
| 6 | GY | LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS) |
| 7 | RD | ALTERNATOR - RESISTANCE |
| 8 | | |
| 9 | GY | LOW VOLTAGE ELECTRONIC GROUND |
| 10 | WH | CHASSIS / ENGINE GROUND |
| 11 | WH | CAB / SLEEPER GROUND |
| 12 | LTBL | ACCESSORY FEED |
| 13 | PK | IGNITION FEED |
| | BK | IGNITION FEED (BODY BUILDER CONNECTOR) |
| 14 | RD | BATTERY FEED |
| 15 | RD | KEY SWITCH FEED |
| 16 | | |
| 17 | PK | STARTER CONTROL |
| 18 | PK | GLOW PLUG / PRE-HEATER |
| 19 | GY | ENGINE SHUTDOWN |
| 20 | LTGN | REMOTE POWER MODULE |
| 21 | TN | COLD START CONTROLS (ETHER) |
| 22 | TN | TIRE PRESSURE MONITORING / CONTROL |
| 23 | TN | ENGINE FAN / SHUTTERS |
| 24 | GY | ENGINE EXHAUST BRAKE |
| 25 | TN | PYROMETER |
| 26 | TN | AMMETER |
| 27 | TN | VOLTMETER |
| 28 | TN | INSTRUMENTS AND GAUGES |
| 29 | TN | ENGINE WATER TEMPERATURE |
| 30 | TN | ENGINE OIL TEMPERATURE |
| 31 | TN | TRANSMISSION OIL TEMPERATURE |
| 32 | TN | AXLE OIL TEMPERATURE |
| 33 | TN | ENGINE OIL LEVEL |
| 34 | TN | COOLANT LEVEL |
| 35 | TN | ENGINE OIL PRESSURE |
| 36 | TN | FUEL LEVEL |
| 37 | TN | FUEL PUMP |
| 38 | GY | LIFT AXLE |
| 39 | GY | AIR DRYER HEATER |
| 40 | GY | LOW AIR PRESSURE WARNING |
| 41 | TN | AIR TEMPERATURE |
| 42 | GY | FRONT AXLE ENGAGED |
| 43 | GY | POWER DIVIDER LOCK (PDL) WARNING |
| 44 | GY | PARK BRAKE WARNING |
| 45 | LTGN | ANTI-THEFT WARNING |

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|---------|-------------------|-----|-----------|-------------|------------------------------------|
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | | | | | RELEASE NO. | DATE |
| | | | | | 59974F | 15JAN07 |
| | | | | | | PART NO. |
| | | | | | | AE08056621 |
| | | | | | | SHEET |
| | | | | | | 004 |

Figure 4 Circuit Diagram Instructions

2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)

| CIRCUIT NUMBER | COLOR | DESCRIPTION |
|----------------|-------|--|
| 46 | GY | POWER TAKE-OFF WARNING |
| 47 | GY | SPEEDOMETER |
| 48 | GY | TACHOMETER |
| 49 | GY | DIFFERENTIAL LOCK WARNING |
| 50 | YL | LIGHT SWITCH FEED |
| 51 | YL | DIMMER SWITCH FEED |
| 52 | YL | HEADLIGHT HI - BEAM |
| 53 | YL | HEADLIGHT LO - BEAM |
| 54 | BN | PARKING / MARKER LIGHTS |
| 55 | OR | TURN SIGNAL - FEED |
| 56 | OR | TURN SIGNAL LIGHTS - LEFT |
| | YL | TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION) |
| 57 | OR | TURN SIGNAL LIGHTS - RIGHT |
| | LTGN | TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION) |
| 58 | BN | CLEARANCE / IDENTIFICATION LIGHTS |
| 59 | GY | SOLENOID |
| 60 | OR | HAZARD LIGHTS |
| 61 | GY | AIR SUSPENSION |
| 62 | DKBL | PANEL LIGHTS |
| 63 | DKBL | COURTESY / DOME LIGHTS |
| 64 | YL | FOG / DRIVING LIGHTS |
| 65 | OR | CAB REAR FLOOD LIGHTS |
| 66 | YL | DAYTIME RUNNING LIGHTS |
| 67 | GY | OBSTACLE AVOIDANCE / REMOTE SENSOR |
| 68 | BN | TAIL LIGHTS |
| 69 | BN | LICENSE PLATE LIGHT |
| 70 | OR | STOP LIGHTS |
| | RD | STOP LIGHTS (BODY BUILDER CONNECTION) |
| 71 | OR | BACK-UP LIGHTS |
| | LTBL | BACK-UP LIGHTS (BODY BUILDER CONNECTION) |
| 72 | OR | TRAILER AUXILIARY FEED - BATTERY |
| 73 | LTGN | PWM |
| 74 | LTGN | HEATER RECIRCULATION MOTOR |
| 75 | LTGN | HEATER BLOWER MOTOR |
| 76 | LTGN | AUXILIARY FAN |
| 77 | LTGN | AIR CONDITIONER |
| 78 | LTGN | MIRRORS - HEATED, MOTORIZED |
| 79 | GY | SEAT BELTS |
| 80 | BK | SLEEPER BOX RELAY - FEED |
| 81 | LTGN | POWER DOOR LOCKS |
| 82 | GY | WINDSHIELD WIPER |
| 83 | LTGN | POWER WINDOWS |
| 84 | LTGN | CIGAR LIGHTER |
| 85 | GY | HORN |

| | | | | | | |
|------|---------|-------------------|-----|-----------|-------------|------------------------------------|
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | | | | | RELEASE NO. | DATE |
| | | | | | 59974F | 15JAN07 |
| | | | | | | PART NO. |
| | | | | | | AE08056621 |
| | | | | | | SHEET |
| | | | | | | 005 |

Figure 5 Circuit Number Identification and Color

2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 6

| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 20px;"> <thead> <tr> <th style="width: 10%;">CIRCUIT NUMBER</th> <th style="width: 15%;">COLOR</th> <th style="width: 85%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>86</td><td>LTGN</td><td>RADIO - ENTERTAINMENT</td></tr> <tr><td>87</td><td>GY</td><td>WINDSHIELD WASHER</td></tr> <tr><td>88</td><td>LTGN</td><td>CLOCK / HOURMETER</td></tr> <tr><td>89</td><td>VT</td><td>AIR BAG</td></tr> <tr><td>90</td><td>GY</td><td>HYDRAULIC BRAKE PUMP</td></tr> <tr><td>91</td><td>VT</td><td>INTERCOMMUNICATIONS</td></tr> <tr><td>92</td><td>TN</td><td>TRANSMISSION CONTROLS - ELECTRONIC</td></tr> <tr><td>93</td><td>TN</td><td>AXLE SHIFT CONTROL</td></tr> <tr><td>94</td><td>GY</td><td>ANTILOCK BRAKE SYSTEM</td></tr> <tr><td>95</td><td>TN</td><td>EXHAUST EMISSION</td></tr> <tr><td>96</td><td>YL</td><td>SNOW PLOW LIGHTS / CRUISE CONTROLS</td></tr> <tr><td>97</td><td>VT</td><td>ENGINE CONTROLS - ELECTRONIC</td></tr> <tr><td>98</td><td>BK</td><td>DATALINK AND DIAGNOSTICS</td></tr> <tr><td>99</td><td>VT</td><td>ACCELERATOR POSITION SENSOR (APS)</td></tr> <tr><td>100</td><td>GY</td><td>AIR HORN (ELECTRIC SOLENOID ACTUATED)</td></tr> <tr><td>101</td><td>TN</td><td>BRAKE APPLICATION AIR</td></tr> <tr><td>102</td><td>YL</td><td>FLASH TO PASS</td></tr> <tr><td>103</td><td>LTGN</td><td>BODY BUILDER AUXILIARY FEED</td></tr> <tr><td>104</td><td>DKBL</td><td>REMOTE START / STOP</td></tr> <tr><td>105</td><td>LTGN</td><td>HEATED SEATS</td></tr> <tr><td>106</td><td>OR</td><td>HIGH VOLTAGE ALTERNATOR AC CHARGE</td></tr> <tr><td>107</td><td>GY</td><td>INSTRUMENT CLUSTER ELECTRONIC FEED (5V)</td></tr> <tr><td>108</td><td>GY</td><td>BRAKE PAD WEAR SENSOR</td></tr> <tr><td>109</td><td>GY</td><td>SLACK ADJUSTER</td></tr> <tr><td>110</td><td>GY</td><td>INSTRUMENT CLUSTER ELECTRONIC GROUND</td></tr> <tr><td>111</td><td>TN</td><td>FUEL FILTER RESTRICTION TRANSDUCERS</td></tr> <tr><td>112</td><td>GY</td><td>LIFT GATE</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">PREFIX</th> <th style="width: 85%;">LOCATION</th> </tr> </thead> <tbody> <tr><td>A</td><td>CAB - INSTRUMENT PANEL MODULE</td></tr> <tr><td>B</td><td>CAB - DRIVER CONTROL MODULE</td></tr> <tr><td>C</td><td>CAB - HEADER / CLEARANCE LIGHTS</td></tr> <tr><td>D</td><td>CAB - ROOF / REAR PANEL</td></tr> <tr><td>E</td><td>CAB - LEFT DOOR / DOORS</td></tr> <tr><td>F</td><td>CAB - RIGHT DOOR / DOORS</td></tr> <tr><td>H</td><td>CAB - SLEEPER</td></tr> <tr><td>J</td><td>CAB - DASH (OUTSIDE)</td></tr> <tr><td>K</td><td>ENGINE / RADIATOR</td></tr> <tr><td>L</td><td>TRANSMISSION</td></tr> <tr><td>M</td><td>CHASSIS / FRONT END (CAB DASH PANEL FORWARD)</td></tr> <tr><td>N</td><td>CHASSIS - CENTER SECTION (CAB DASH PANEL TO CAB REAR CROSS MEMBER)</td></tr> <tr><td>P</td><td>CHASSIS - WHEEL BASE SECTION</td></tr> <tr><td>R</td><td>CHASSIS - SUSPENSION / REAR AXLE / AXLES</td></tr> <tr><td>S</td><td>CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS</td></tr> <tr><td>T</td><td>TRAVEL DOORS</td></tr> <tr><td>U</td><td>HOOD MTD HEADLIGHTS / MARKER LIGHTS</td></tr> <tr><td>V</td><td>SLEEPER ROOF / BACK PANEL WIRING</td></tr> <tr><td>W</td><td>WARDROBE CABINET WIRING</td></tr> </tbody> </table> | | | | | | | | CIRCUIT NUMBER | COLOR | DESCRIPTION | 86 | LTGN | RADIO - ENTERTAINMENT | 87 | GY | WINDSHIELD WASHER | 88 | LTGN | CLOCK / HOURMETER | 89 | VT | AIR BAG | 90 | GY | HYDRAULIC BRAKE PUMP | 91 | VT | INTERCOMMUNICATIONS | 92 | TN | TRANSMISSION CONTROLS - ELECTRONIC | 93 | TN | AXLE SHIFT CONTROL | 94 | GY | ANTILOCK BRAKE SYSTEM | 95 | TN | EXHAUST EMISSION | 96 | YL | SNOW PLOW LIGHTS / CRUISE CONTROLS | 97 | VT | ENGINE CONTROLS - ELECTRONIC | 98 | BK | DATALINK AND DIAGNOSTICS | 99 | VT | ACCELERATOR POSITION SENSOR (APS) | 100 | GY | AIR HORN (ELECTRIC SOLENOID ACTUATED) | 101 | TN | BRAKE APPLICATION AIR | 102 | YL | FLASH TO PASS | 103 | LTGN | BODY BUILDER AUXILIARY FEED | 104 | DKBL | REMOTE START / STOP | 105 | LTGN | HEATED SEATS | 106 | OR | HIGH VOLTAGE ALTERNATOR AC CHARGE | 107 | GY | INSTRUMENT CLUSTER ELECTRONIC FEED (5V) | 108 | GY | BRAKE PAD WEAR SENSOR | 109 | GY | SLACK ADJUSTER | 110 | GY | INSTRUMENT CLUSTER ELECTRONIC GROUND | 111 | TN | FUEL FILTER RESTRICTION TRANSDUCERS | 112 | GY | LIFT GATE | PREFIX | LOCATION | A | CAB - INSTRUMENT PANEL MODULE | B | CAB - DRIVER CONTROL MODULE | C | CAB - HEADER / CLEARANCE LIGHTS | D | CAB - ROOF / REAR PANEL | E | CAB - LEFT DOOR / DOORS | F | CAB - RIGHT DOOR / DOORS | H | CAB - SLEEPER | J | CAB - DASH (OUTSIDE) | K | ENGINE / RADIATOR | L | TRANSMISSION | M | CHASSIS / FRONT END (CAB DASH PANEL FORWARD) | N | CHASSIS - CENTER SECTION (CAB DASH PANEL TO CAB REAR CROSS MEMBER) | P | CHASSIS - WHEEL BASE SECTION | R | CHASSIS - SUSPENSION / REAR AXLE / AXLES | S | CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS | T | TRAVEL DOORS | U | HOOD MTD HEADLIGHTS / MARKER LIGHTS | V | SLEEPER ROOF / BACK PANEL WIRING | W | WARDROBE CABINET WIRING |
| CIRCUIT NUMBER | COLOR | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | LTGN | RADIO - ENTERTAINMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | GY | WINDSHIELD WASHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | LTGN | CLOCK / HOURMETER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | VT | AIR BAG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | GY | HYDRAULIC BRAKE PUMP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | VT | INTERCOMMUNICATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | TN | TRANSMISSION CONTROLS - ELECTRONIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | TN | AXLE SHIFT CONTROL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | GY | ANTILOCK BRAKE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | TN | EXHAUST EMISSION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | YL | SNOW PLOW LIGHTS / CRUISE CONTROLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | VT | ENGINE CONTROLS - ELECTRONIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | BK | DATALINK AND DIAGNOSTICS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | VT | ACCELERATOR POSITION SENSOR (APS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | GY | AIR HORN (ELECTRIC SOLENOID ACTUATED) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | TN | BRAKE APPLICATION AIR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | YL | FLASH TO PASS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | LTGN | BODY BUILDER AUXILIARY FEED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | DKBL | REMOTE START / STOP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | LTGN | HEATED SEATS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | OR | HIGH VOLTAGE ALTERNATOR AC CHARGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | GY | INSTRUMENT CLUSTER ELECTRONIC FEED (5V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 108 | GY | BRAKE PAD WEAR SENSOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | GY | SLACK ADJUSTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | GY | INSTRUMENT CLUSTER ELECTRONIC GROUND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 111 | TN | FUEL FILTER RESTRICTION TRANSDUCERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | GY | LIFT GATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PREFIX | LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | CAB - INSTRUMENT PANEL MODULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | CAB - DRIVER CONTROL MODULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | CAB - HEADER / CLEARANCE LIGHTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | CAB - ROOF / REAR PANEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | CAB - LEFT DOOR / DOORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | CAB - RIGHT DOOR / DOORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | CAB - SLEEPER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J | CAB - DASH (OUTSIDE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | ENGINE / RADIATOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | TRANSMISSION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | CHASSIS / FRONT END (CAB DASH PANEL FORWARD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N | CHASSIS - CENTER SECTION (CAB DASH PANEL TO CAB REAR CROSS MEMBER) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | CHASSIS - WHEEL BASE SECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | CHASSIS - SUSPENSION / REAR AXLE / AXLES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T | TRAVEL DOORS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | HOOD MTD HEADLIGHTS / MARKER LIGHTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | SLEEPER ROOF / BACK PANEL WIRING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | WARDROBE CABINET WIRING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | DATE | PART NO. SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15JAN07 | AE08056621 006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 6 Circuit Number Identification and Color

2.7. LAMP BULB CHART, P. 7

| | | | | | | | |
|--|--|--|--|----------------------------|--|-----------|--|
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM | | CHAPTER 2 | |
| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | LAMP BULB CHART | | | |

| BULB APPLICATION | CANDLE POWER OR WATT | BULB TRADE NUMBER |
|------------------------------------|----------------------|-------------------|
| BACK-UP LIGHTS | 32 CP | GE1156 |
| CLEARANCE & IDENTIFICATION SMALL | 3 CP | GE168 |
| COURTESY LIGHT | 21 CP | 1142 |
| DOMESTIC LIGHTS | 21 CP | 1142 |
| FOG LIGHTS | 100 WATT | 4921 - 1 |
| LOW BEAMS | 55 WATT | GE9007 |
| HIGH BEAMS | 60 WATT | GE9007 |
| CIGAR LIGHTER | 1 CP | 1455 |
| GAUGE BACK LIGHT | 2 CP | 194 |
| SIDE MARKER | | 2548 |
| STOP & TURN / TAIL & LICENSE PLATE | 32/3 CP | 3157 |
| TURN SIGNAL / MARKER (FENDER) | 32/3 CP | 3157 |
| TURN SIGNAL & MARKER LIGHT | | 2356 |
| HEATER AND AIR CONDITIONER CONTROL | 3 CP | 168 |

| | | | | | | |
|-----|------|--------|-----|-----------|-------------|-----------------------------------|
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
| | | | | | U00K640 | FE BUS ELECTRICAL CIRCUIT DIAGRAM |
| | | | | | RELEASE NO. | DATE |
| | | | | | 59974F | 15 JAN 07 |
| | | | | | | PART NO. |
| | | | | | | AF08-56621 |
| | | | | | | SHEET |
| | | | | | | 07 |

Figure 7 Lamp Bulb Chart

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

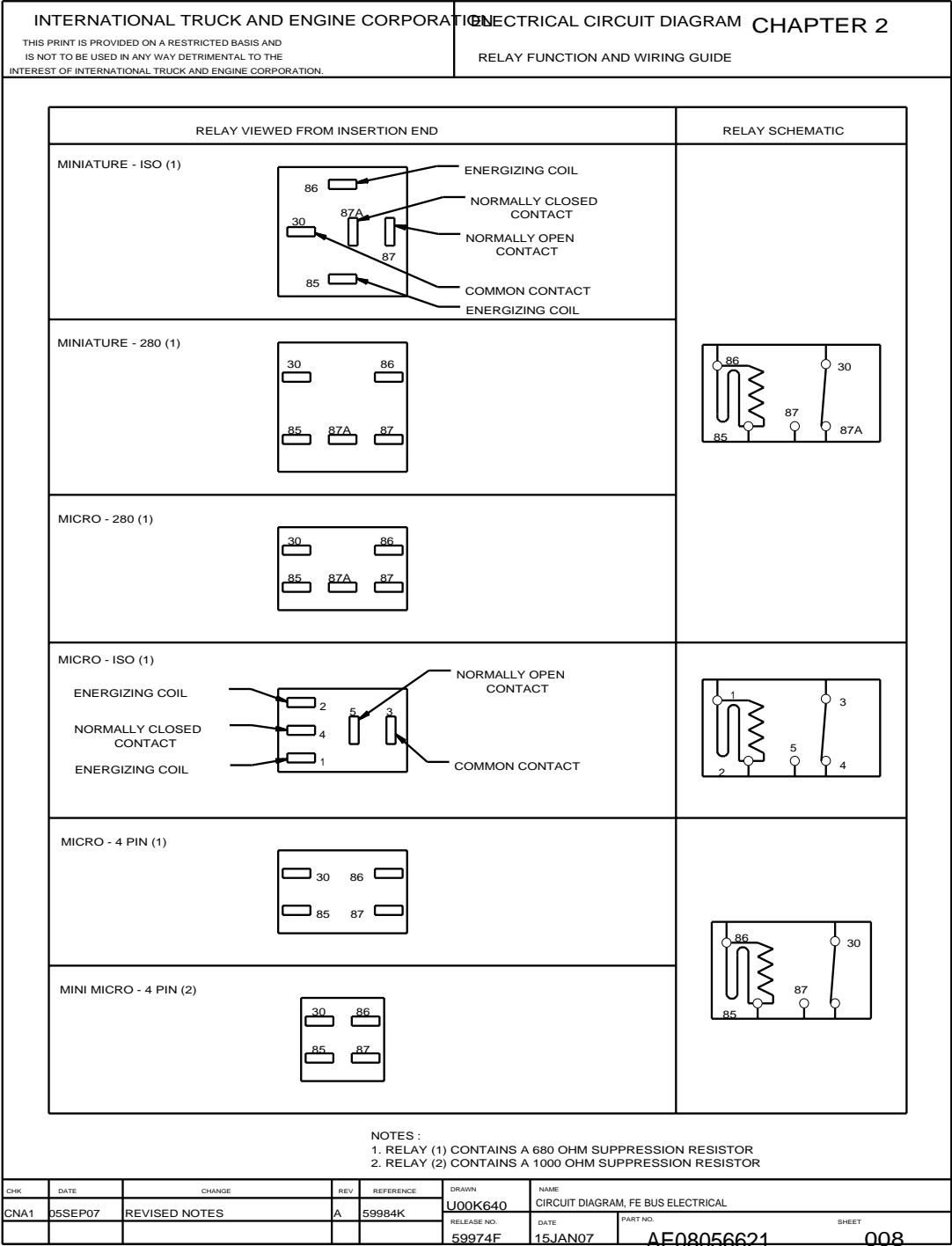


Figure 8 Relay Function and Wiring Guide

2.9. SCHEMATIC SYMBOL CHART, P. 9

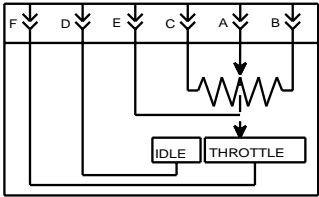
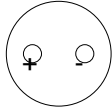
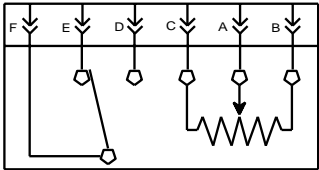
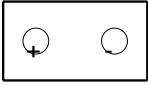
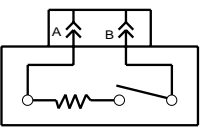
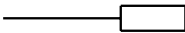
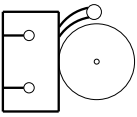
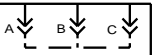
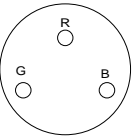
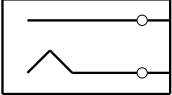



| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 | | |
|--|---------|-------------------------|-----|---|--------------------------------------|---|------------|
| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | | SCHEMATIC SYMBOL CHART | | |
| SYMBOL | | DESCRIPTION | | SYMBOL | | DESCRIPTION | |
|  | | ACCEL PEDAL POSN SENSOR | |  | | AMMETER | |
|  | | ACCEL PEDAL POSN SENSOR | |  | | BATTERY | |
|  | | AIR DRYER | |  | | BLUNT CUT CIRCUIT | |
|  | | ALARM | |  | | BUSBAR | |
|  | | ALTERNATOR | |  | | CIGAR LIGHTER | |
| | | | | TYPE 1  | | TYPE 2 OR 3  | |
| | | | |  | | DIODE | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | |
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | |
| | | | | | RELEASE NO. | DATE | PART NO. |
| | | | | | 59974F | 15JAN07 | AE08056621 |
| | | | | | | | SHEET 009 |

Figure 9 Schematic Symbol Chart

2.10. SCHEMATIC SYMBOL CHART, P. 10


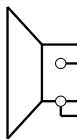
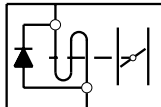
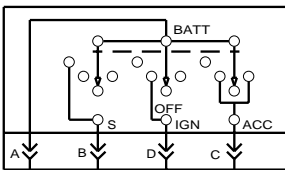

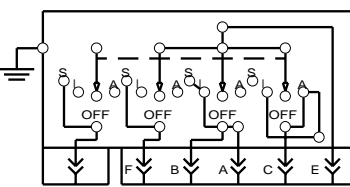

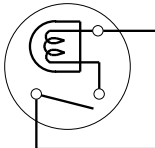

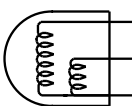
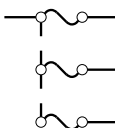
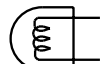



| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 | | | | |
|--|---------|------------------------|-----|-----------|---|------------------------------------|------------------------|-------|--|
| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | | SCHEMATIC SYMBOL CHART (CONT) | | | | |
| SYMBOL | | DESCRIPTION | | | SYMBOL | | DESCRIPTION | | |
|  | | DIODE, LIGHT EMITTING | | |  | | HORN | | |
|  | | FAN SOLENOID | | |  | | KEY SWITCH | | |
|  | | FEMALE TERMINAL | | |  | | KEY SWITCH, COMPLEX | | |
|  | | FUSE | | |  | | LIGHT W/ SWITCH | | |
|  | | FUSIBLE LINK | | |  | | LIGHT, DOUBLE FILAMENT | | |
|  | | FUSES W/ BUSBAR | | |  | | LIGHT, SINGLE FILAMENT | | |
|  | | GROUND N/ STUD | | | | | | | |
|  | | HEATER | | | | | | | |
|  | | HOLDER, FUSE W/ BUSBAR | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | |
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | |
| | | | | | RELEASE NO. | DATE | PART NO. | SHEET | |
| | | | | | 59974F | 15JAN07 | AE08056621 | 010 | |

Figure 10 Schematic Symbol Chart

2.11. SCHEMATIC SYMBOL CHART, P. 11


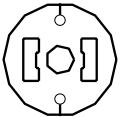

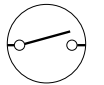
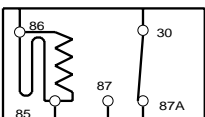
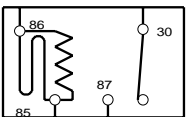
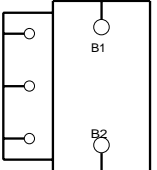

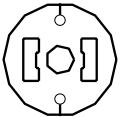

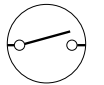
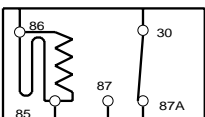
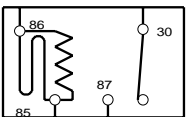
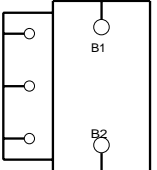

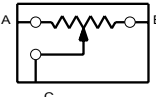
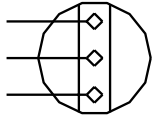
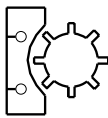
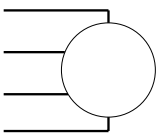
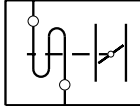
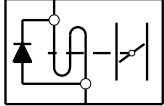

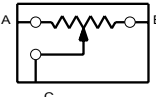
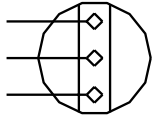
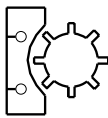
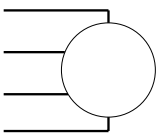
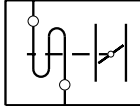
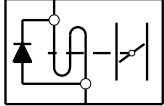

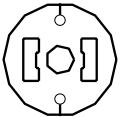

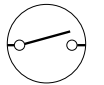
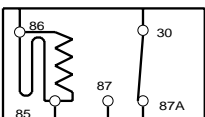
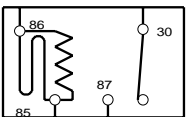
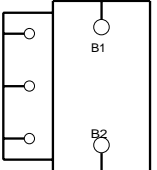

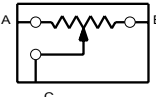
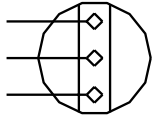
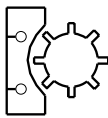
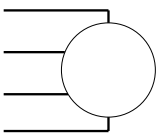
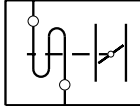
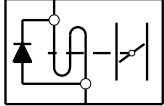
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|--|---------------------------------|-------------------|-----|-----------|--------------------------------------|------------------------------------|---|---------------|---|-------|---|----------------------|--|-----------------|---|----------------------|---|----------------------|---|-----------------|--|--|--|--|--|--------|-------------|---|----------|---|---------------------------------|---|-------------------------|--|------------------|---|-------------|---|----------|---|-------------------|
| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | | SCHEMATIC SYMBOL CHART (CONT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>SYMBOL</th><th>DESCRIPTION</th></tr><tr><td></td><td>MALE TERMINAL</td></tr><tr><td></td><td>MOTOR</td></tr><tr><td></td><td>PASS THRU CONNECTION</td></tr><tr><td></td><td>PRESSURE SWITCH</td></tr><tr><td></td><td>RELAY, FIVE TERMINAL</td></tr><tr><td></td><td>RELAY, FOUR TERMINAL</td></tr><tr><td></td><td>RELAY, LATCHING</td></tr></table> | | | | | SYMBOL | DESCRIPTION |  | MALE TERMINAL |  | MOTOR |  | PASS THRU CONNECTION |  | PRESSURE SWITCH |  | RELAY, FIVE TERMINAL |  | RELAY, FOUR TERMINAL |  | RELAY, LATCHING | <table><tr><th>SYMBOL</th><th>DESCRIPTION</th></tr><tr><td></td><td>RESISTOR</td></tr><tr><td></td><td>SENDER - FUEL, OIL, TEMP, WATER</td></tr><tr><td></td><td>SENSOR, PRESSURE. ABS 6</td></tr><tr><td></td><td>SENSOR, MAGNETIC</td></tr><tr><td></td><td>SENSOR, YAW</td></tr><tr><td></td><td>SOLENOID</td></tr><tr><td></td><td>SOLENOID W/ DIODE</td></tr></table> | | | | | SYMBOL | DESCRIPTION |  | RESISTOR |  | SENDER - FUEL, OIL, TEMP, WATER |  | SENSOR, PRESSURE. ABS 6 |  | SENSOR, MAGNETIC |  | SENSOR, YAW |  | SOLENOID |  | SOLENOID W/ DIODE |
| SYMBOL | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | MALE TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | MOTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | PASS THRU CONNECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | PRESSURE SWITCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | RELAY, FIVE TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | RELAY, FOUR TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | RELAY, LATCHING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SYMBOL | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | RESISTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | SENDER - FUEL, OIL, TEMP, WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | SENSOR, PRESSURE. ABS 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | SENSOR, MAGNETIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | SENSOR, YAW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | SOLENOID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | SOLENOID W/ DIODE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | DATE | PART NO. | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15JAN07 | AE08056621 | 011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 11 Schematic Symbol Chart

2.12. SCHEMATIC SYMBOL CHART, P. 12

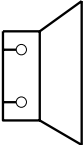


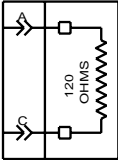


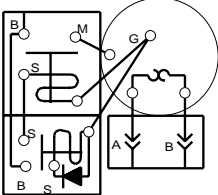
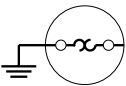

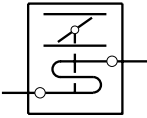

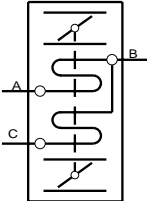
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 | | | | |
|--|---------|--------------------------------------|-----|-----------|---|------------------------------------|----------------------|-------|--|
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| SYMBOL | | DESCRIPTION | | | SYMBOL | | DESCRIPTION | | |
|  | | SPEAKER | | |  | | SWITCH, PUSH BUTTON | | |
|  | | SPLICE | | |  | | TERMINATING RESISTOR | | |
|  | | STUD | | |  | | THERMISTOR | | |
|  | | START MOTOR W/ TOCP | | |  | | THERMOSTAT | | |
|  | | SWITCH, MECHANICAL (NORMALLY OPEN) | | |  | | VALVE, ETHER BOTTLE | | |
|  | | SWITCH, MECHANICAL (NORMALLY CLOSED) | | |  | | VALVE, MODULATOR | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | |
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | |
| | | | | | RELEASE NO. | DATE | PART NO. | SHEET | |
| | | | | | 59974F | 15JAN07 | AE08056621 | 012 | |

Figure 12 Schematic Symbol Chart

3. POWER DISTRIBUTION (CHAPTER 3)

3.1. BATTERY, P. 1

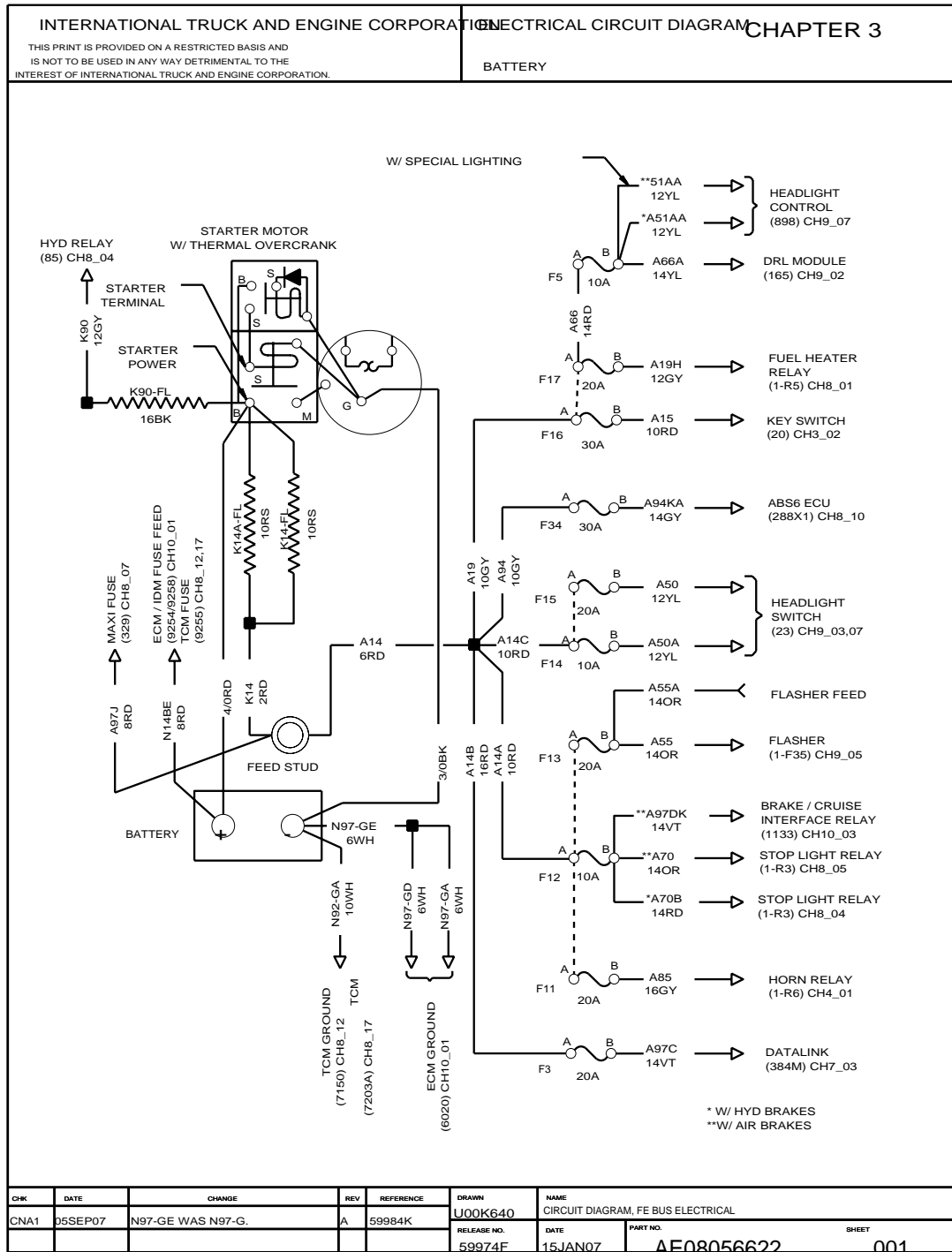
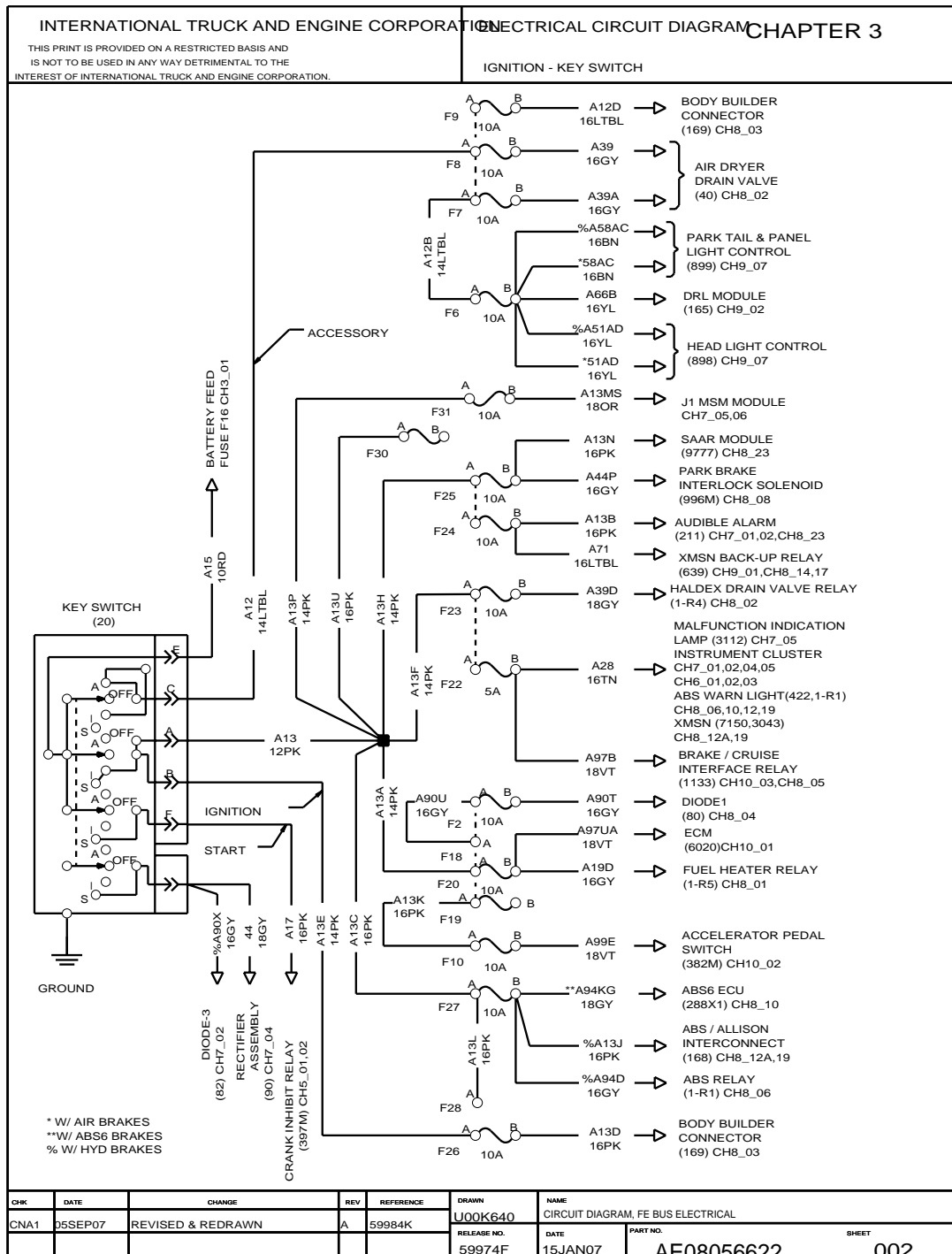


Figure 13 Battery

3.2. IGNITION KEY SWITCH, P. 2



3.3. GROUND, P. 3

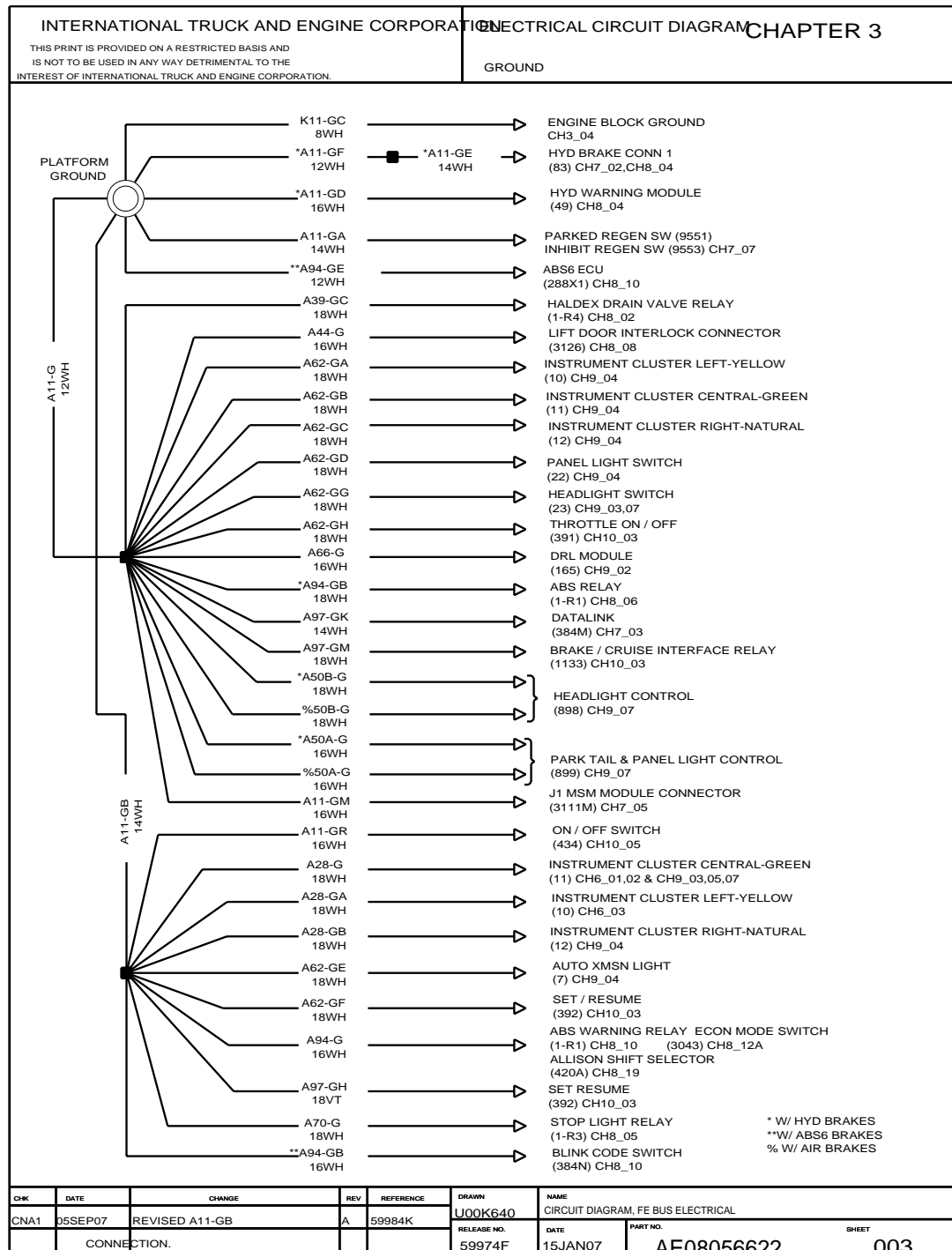


Figure 15 Ground

3.4. GROUND, P. 4

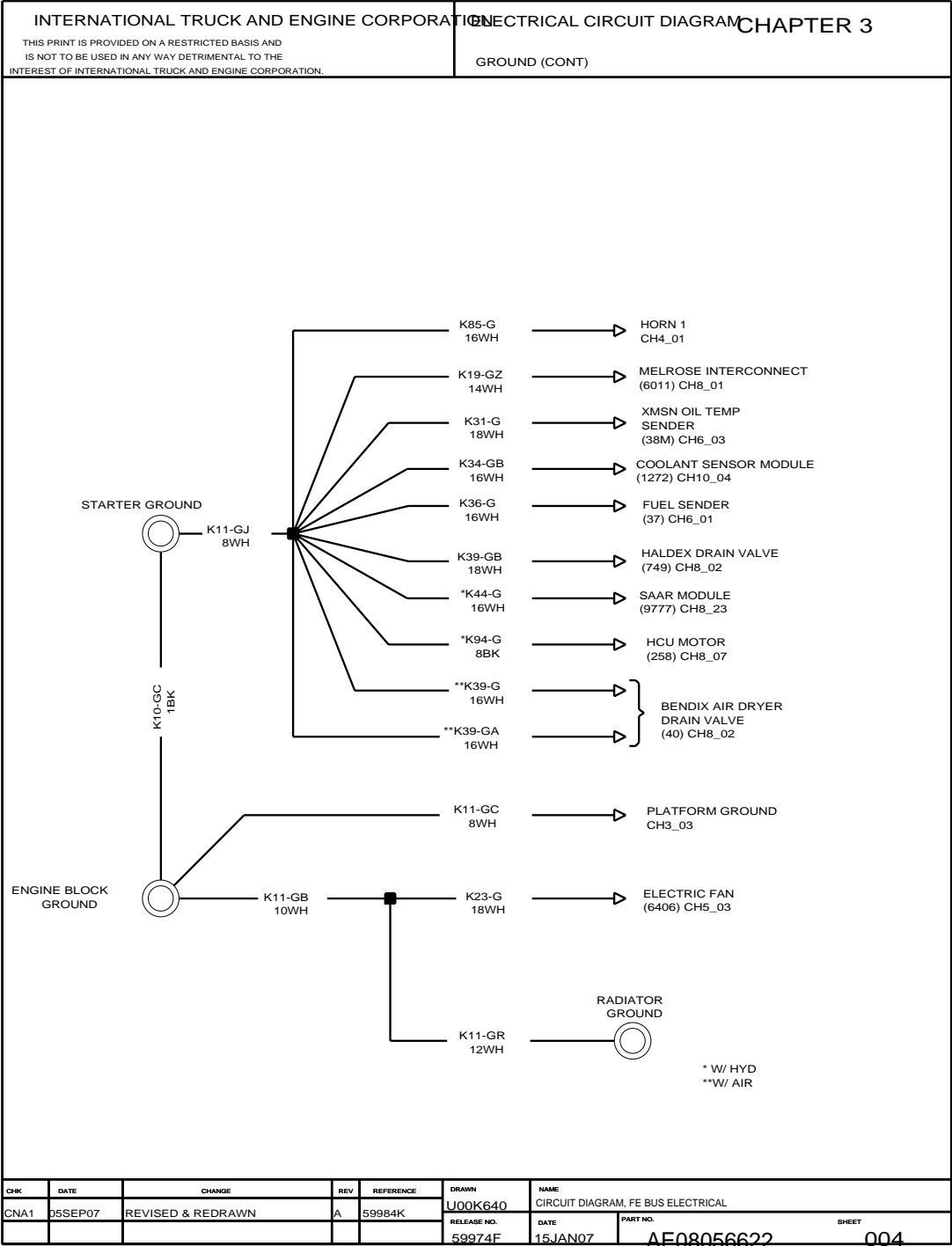


Figure 16 Ground

4. CAB ACCESSORIES (CHAPTER 4)

4.1. HORN, P. 1

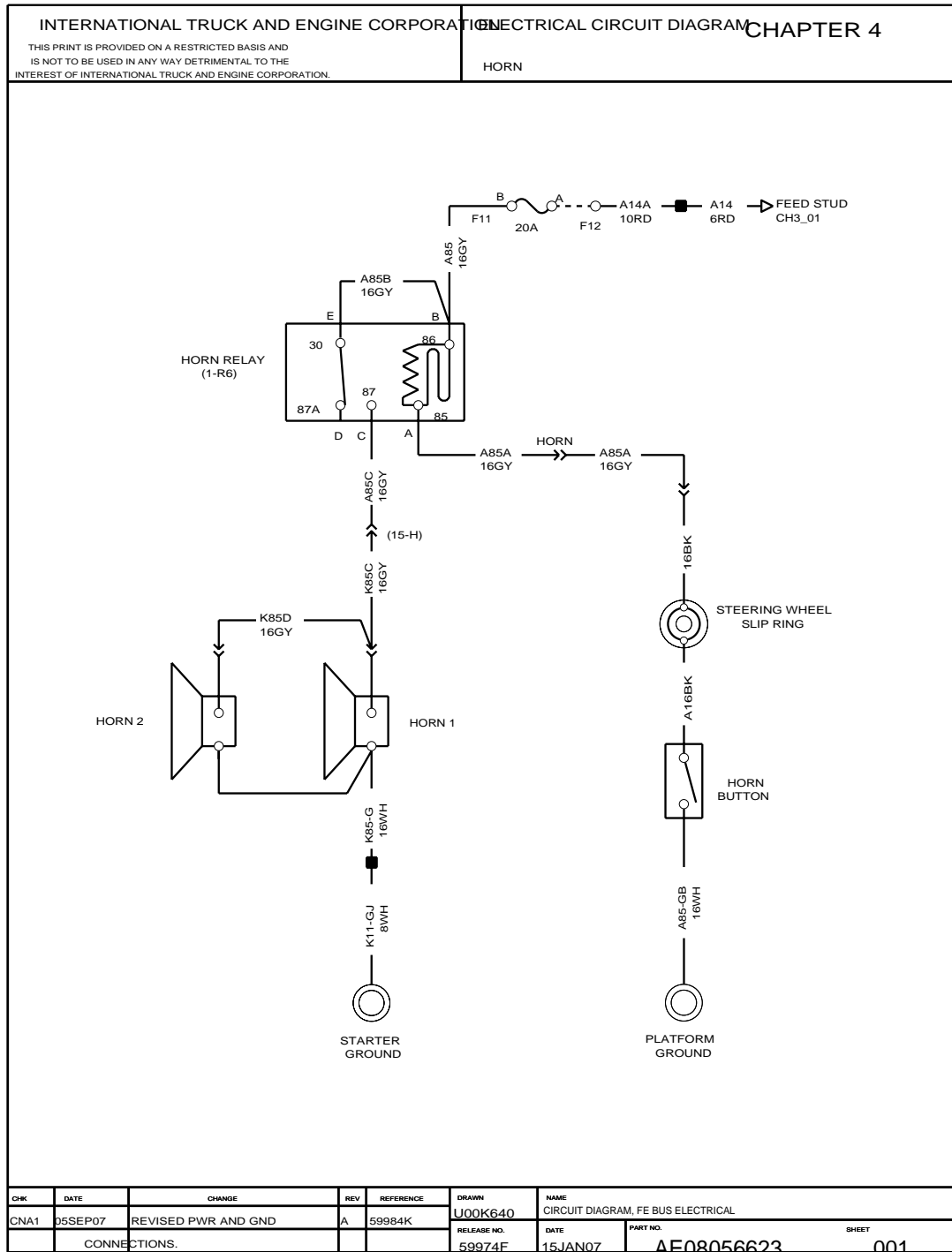


Figure 17 Horn

5. ENGINE SYSTEMS (CHAPTER 5)

5.1. CHARGING SYSTEM / AMMETER, P. 1

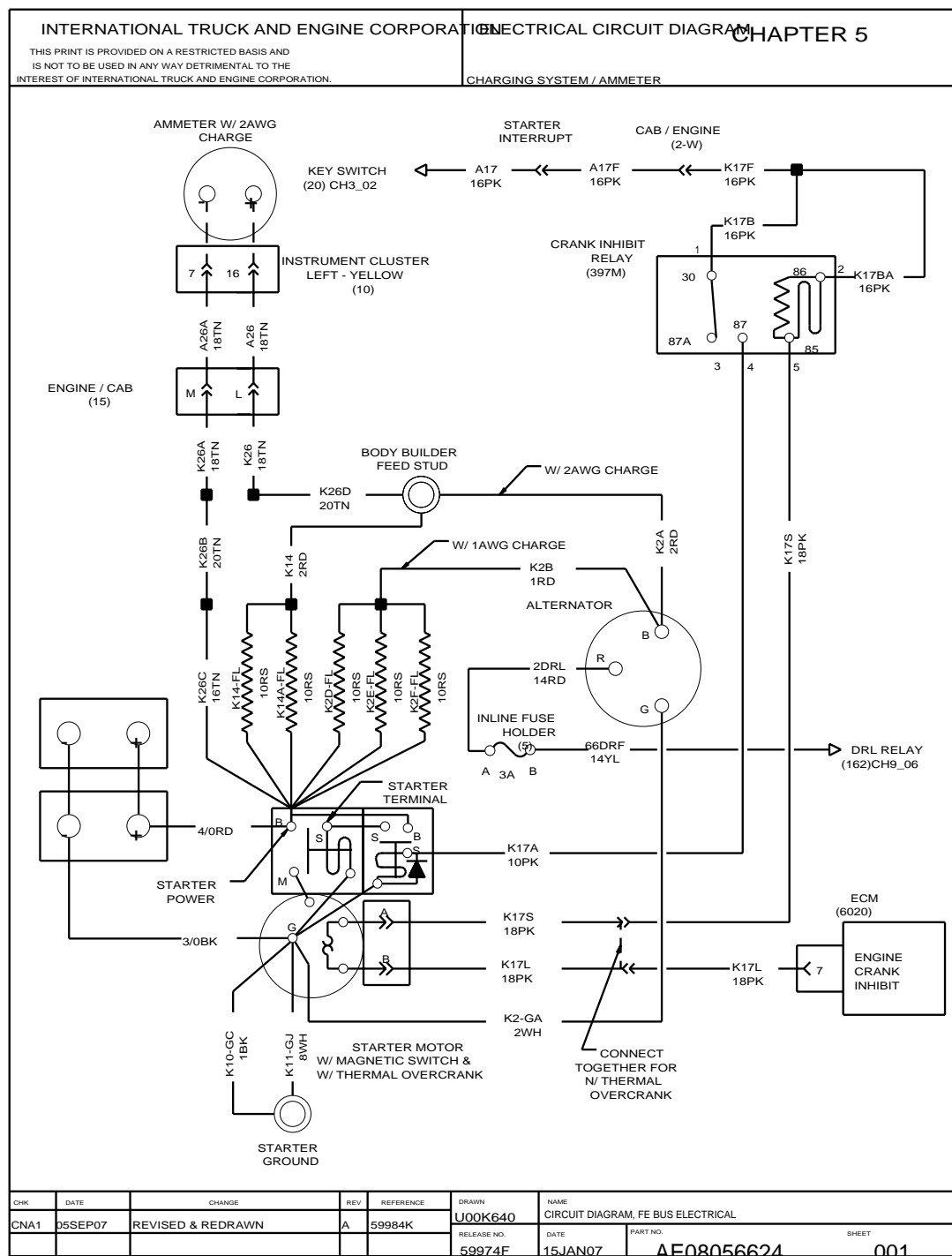


Figure 18 Charging System / Ammeter

5.2. CRANKING SYSTEM, P. 2

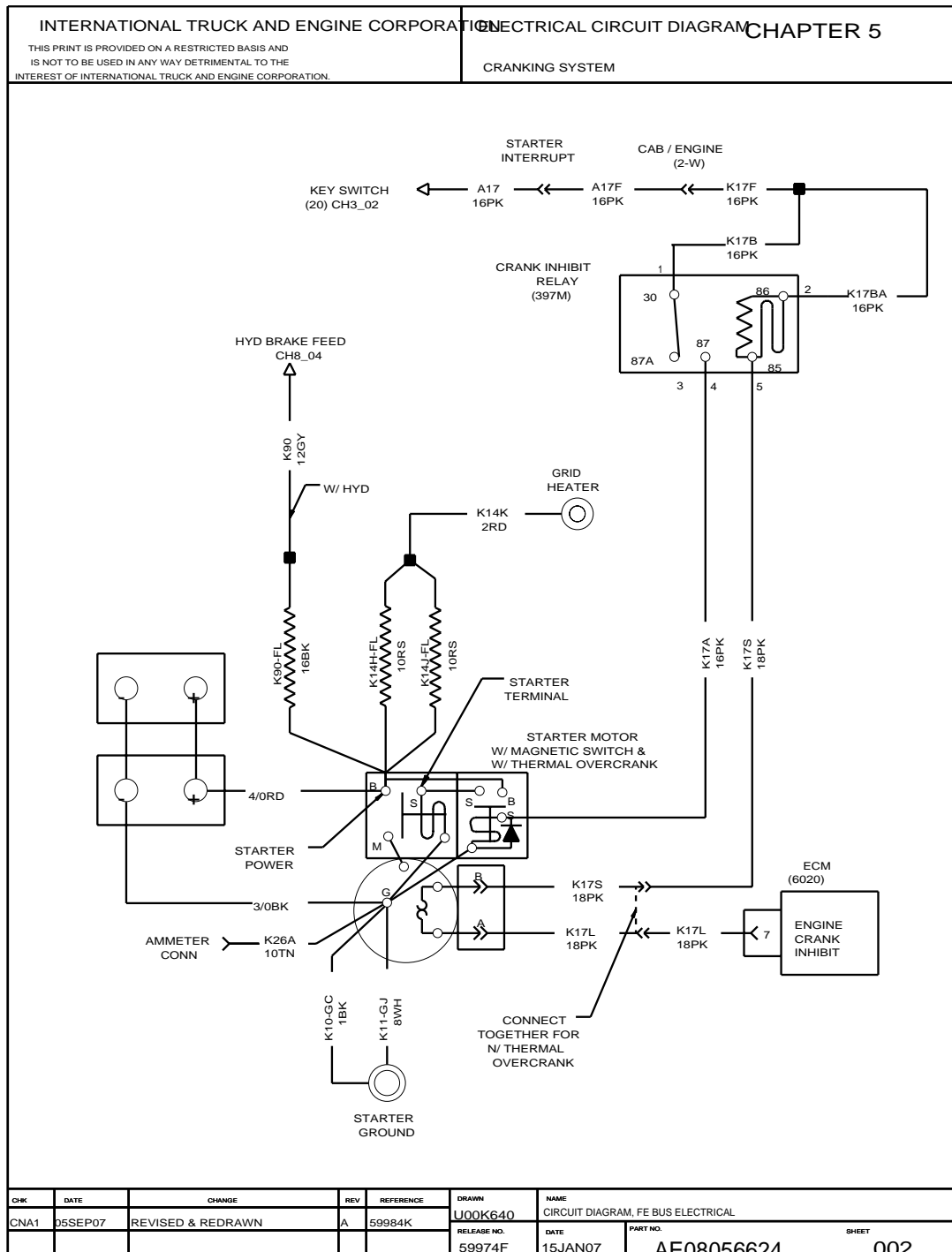


Figure 19 Cranking System

5.3. HORTON FAN WITH ELECTRIC SOLENOID CONTROL, P. 3

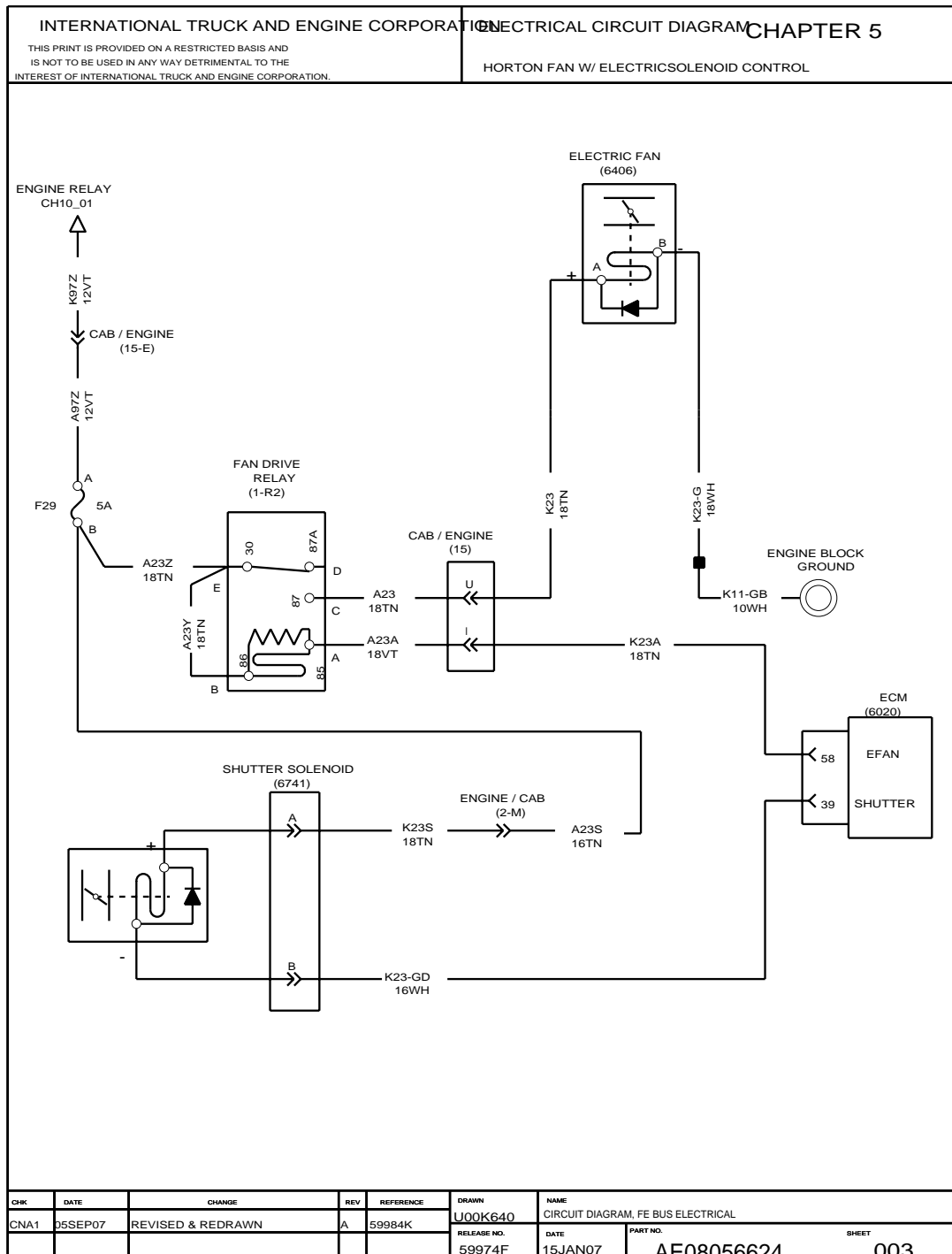


Figure 20 Horton Fan With electric Solenoid Control

6. GAUGES (CHAPTER 6)

6.1. FUEL LEVEL GAUGE, P. 1

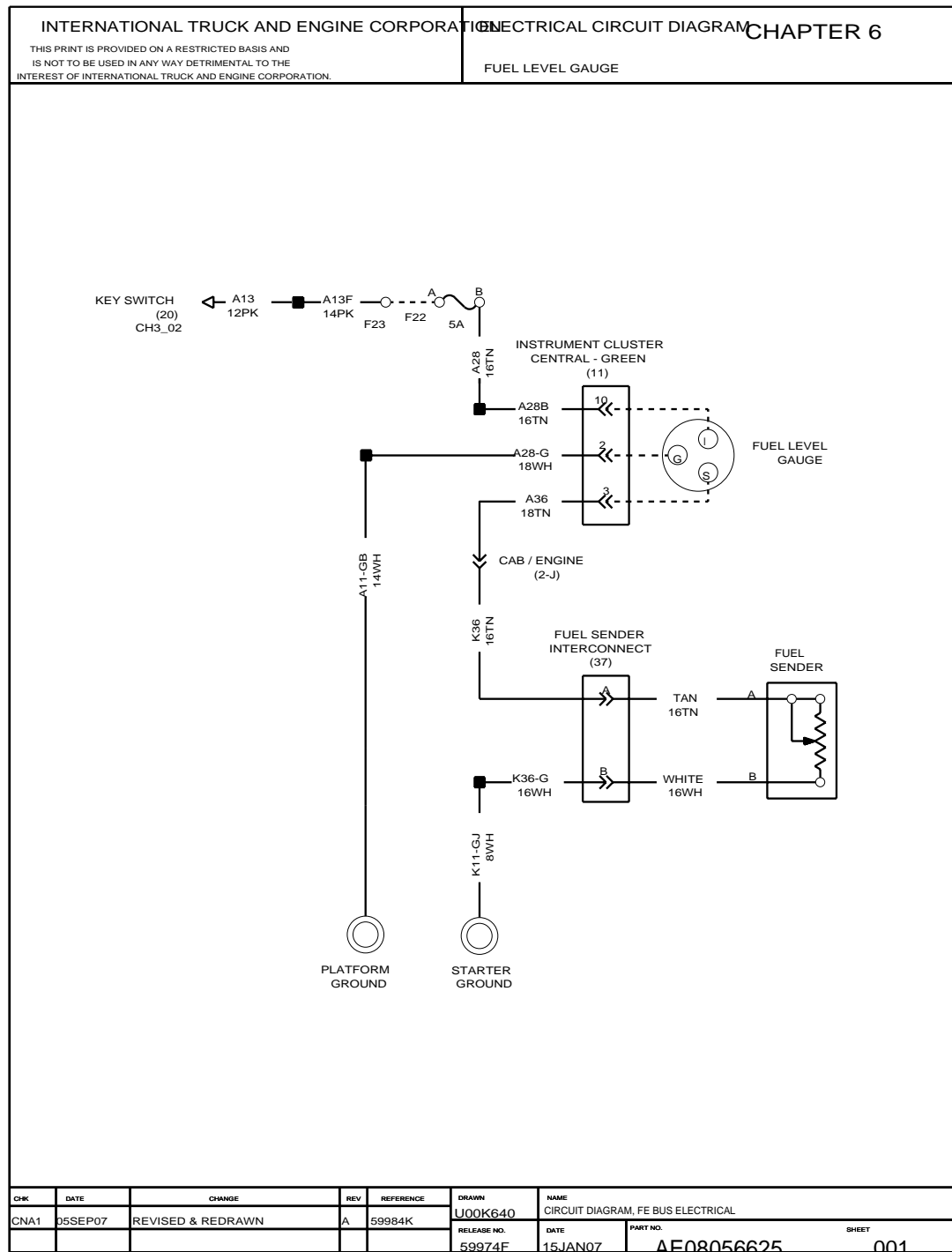


Figure 21 Fuel Level Gauge

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 6

SPEEDOMETER, TACHOMETER, VOLTMETER

The diagram illustrates the electrical circuit for the FE Bus system. It includes the following components and connections:

- Instrument Cluster Central - Green (11)**: Contains a SPEEDOMETER, ENGINE OIL PRESSURE, WATER TEMP, TACHOMETER, and VOLTMETER. It is connected to terminals 10, 8, 7, and 2.
- DATALINK DRIVEN CLUSTER**: A central hub for the Datalink system, connected to terminals 10, 8, 7, and 2.
- KEY SWITCH (20) CH3_02**: Connected to terminal A13 (12PK) and terminal A13F (14PK). It is also connected to terminal F23 and F22, which are connected to terminal A (5A) and terminal B (A28, 16TN).
- DATALINK (-) (374M)**: Connected to terminal A28B (16TN) and terminal A3A- (18BK).
- DATALINK (+) (373M)**: Connected to terminal A28-G (18WH) and terminal A3A+ (18BK).
- CAB / ENGINE (15)**: Connected to terminal D and terminal C.
- ECM (6020)**: Connected to terminal 10 and terminal 25. It includes components J1708- and J1708+.
- PLATFORM GROUND**: A common ground point for the system.

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|---------|-------------------|-----|-----------|-----------------------|------------------------------------|
| CNA1 | 05SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | | | | | RELEASE NO. 59974F | PART NO. AE08056625 |
| | | | | | DATE 15JAN07 | SHEET 002 |

Figure 22 Speedometer, Tachometer, Voltmeter

6.3. TRANSMISSION OIL TEMPERATURE GAUGE, P. 3

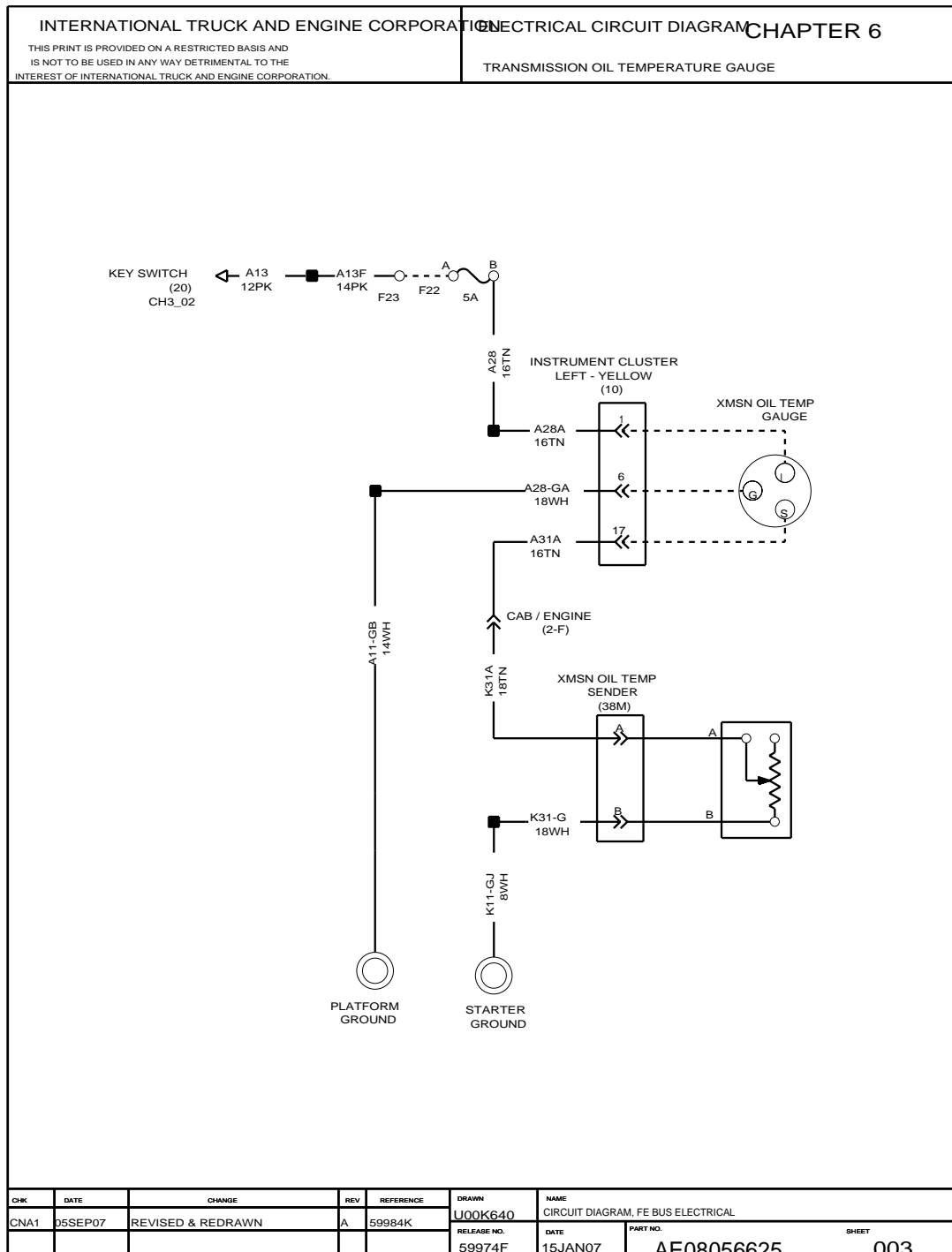


Figure 23 Transmission Oil Temperature Gauge

7.1. STOP ENGINE AND LOW AIR PRESSURE WITH AIR BRAKES, P. 1

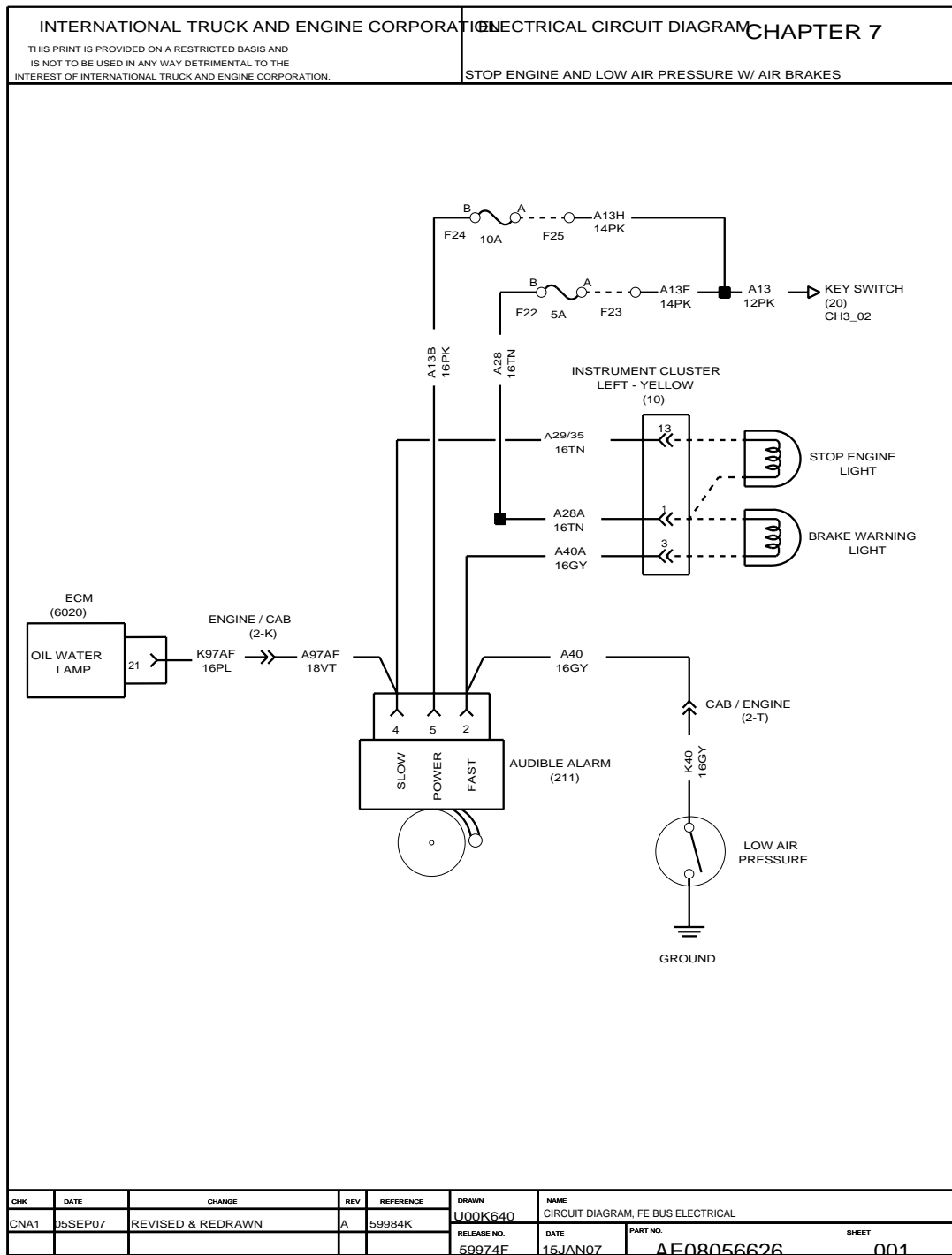


Figure 24 Stop Engine and Low Air Pressure with Air Brakes

7.2. STOP ENGINE AND PARK BRAKE WARNING LIGHT WITH HYDRAULIC BRAKES, P. 2

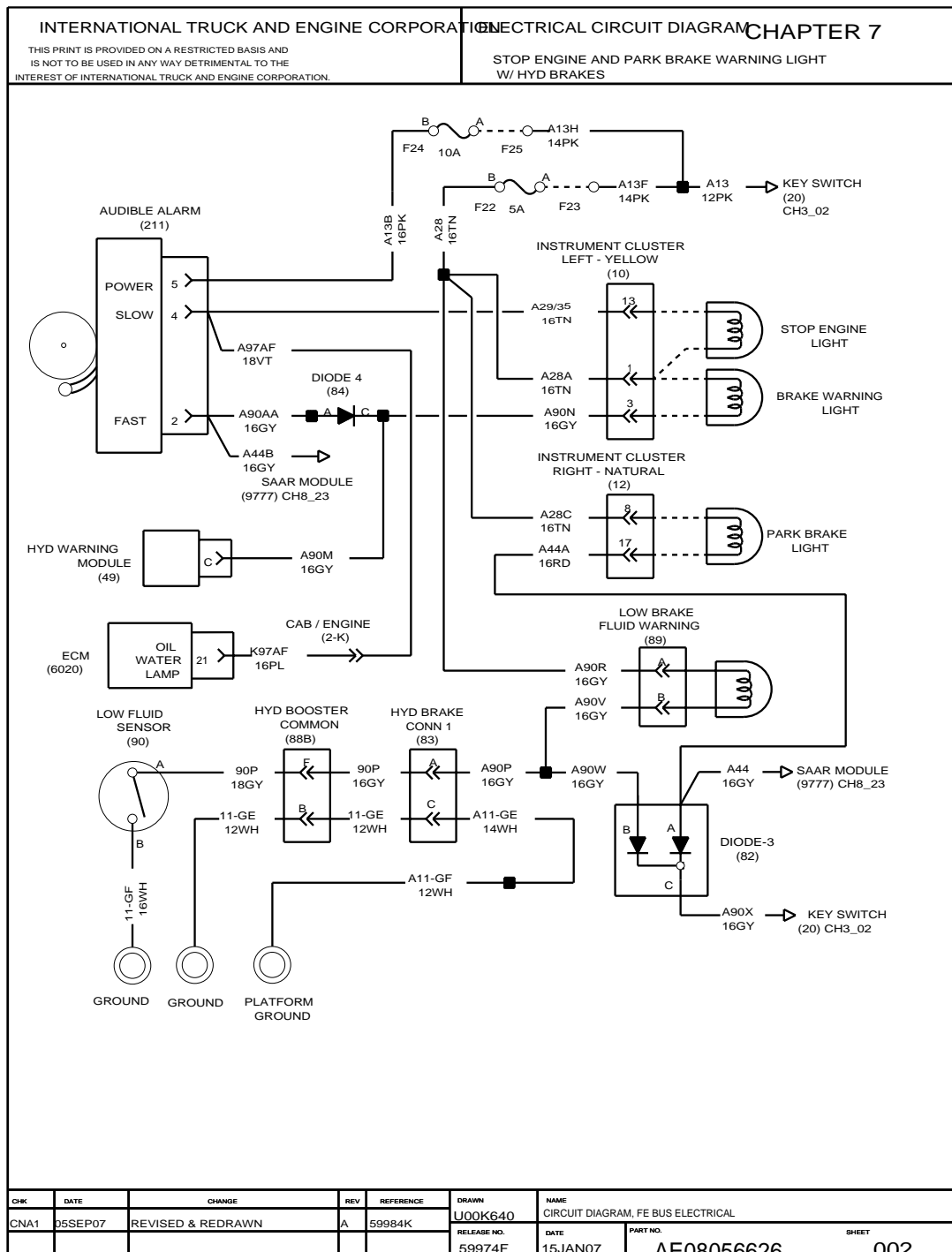


Figure 25 Stop Engine and Park Brake Warning Light with Hydraulic Brakes

7.3. DIAGNOSTIC / PROGRAMMABLE CONNECTOR, P. 3

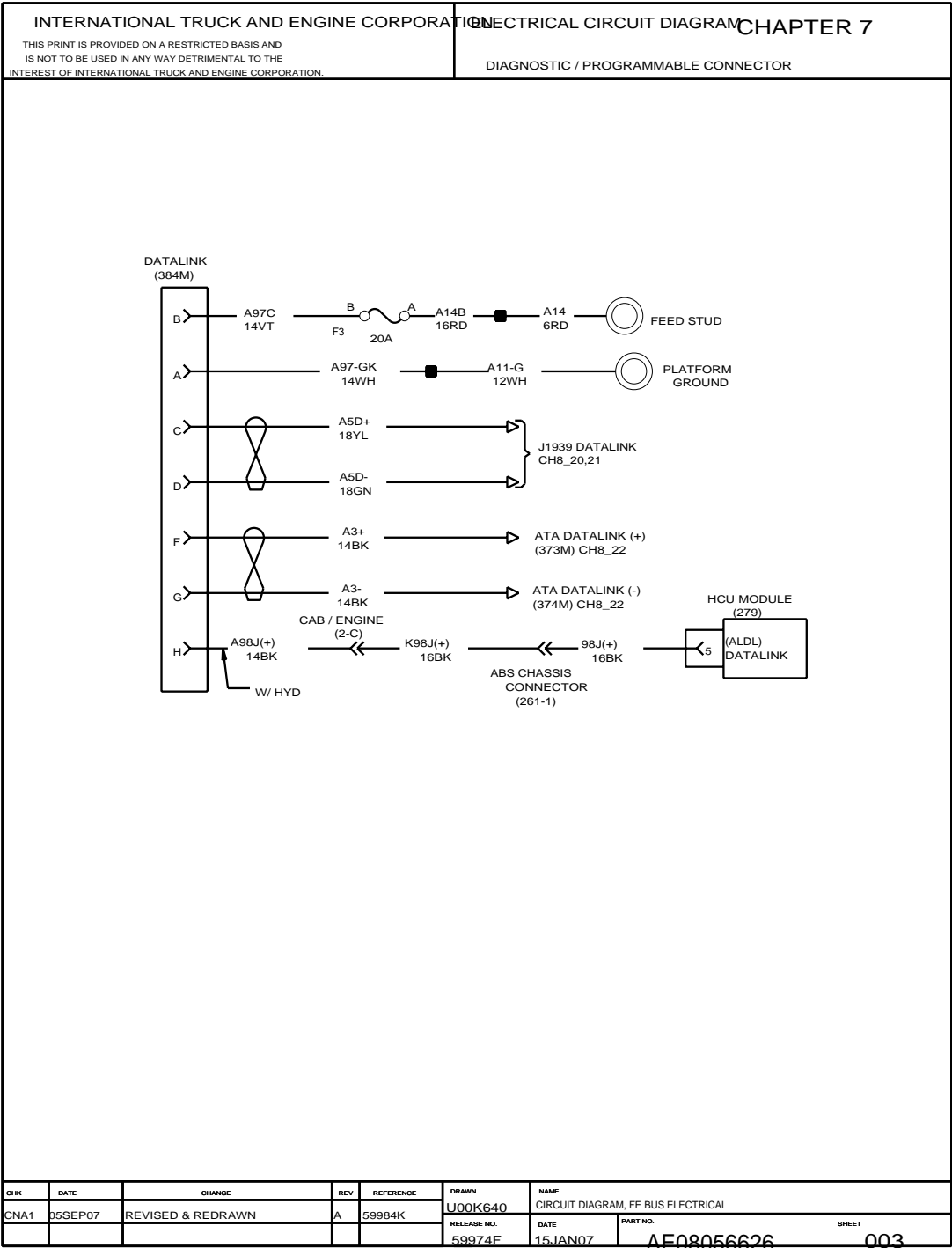


Figure 26 Diagnostic / Programmable Connector

Figure 27 Parking Brake and Warning Lights with Air Brakes

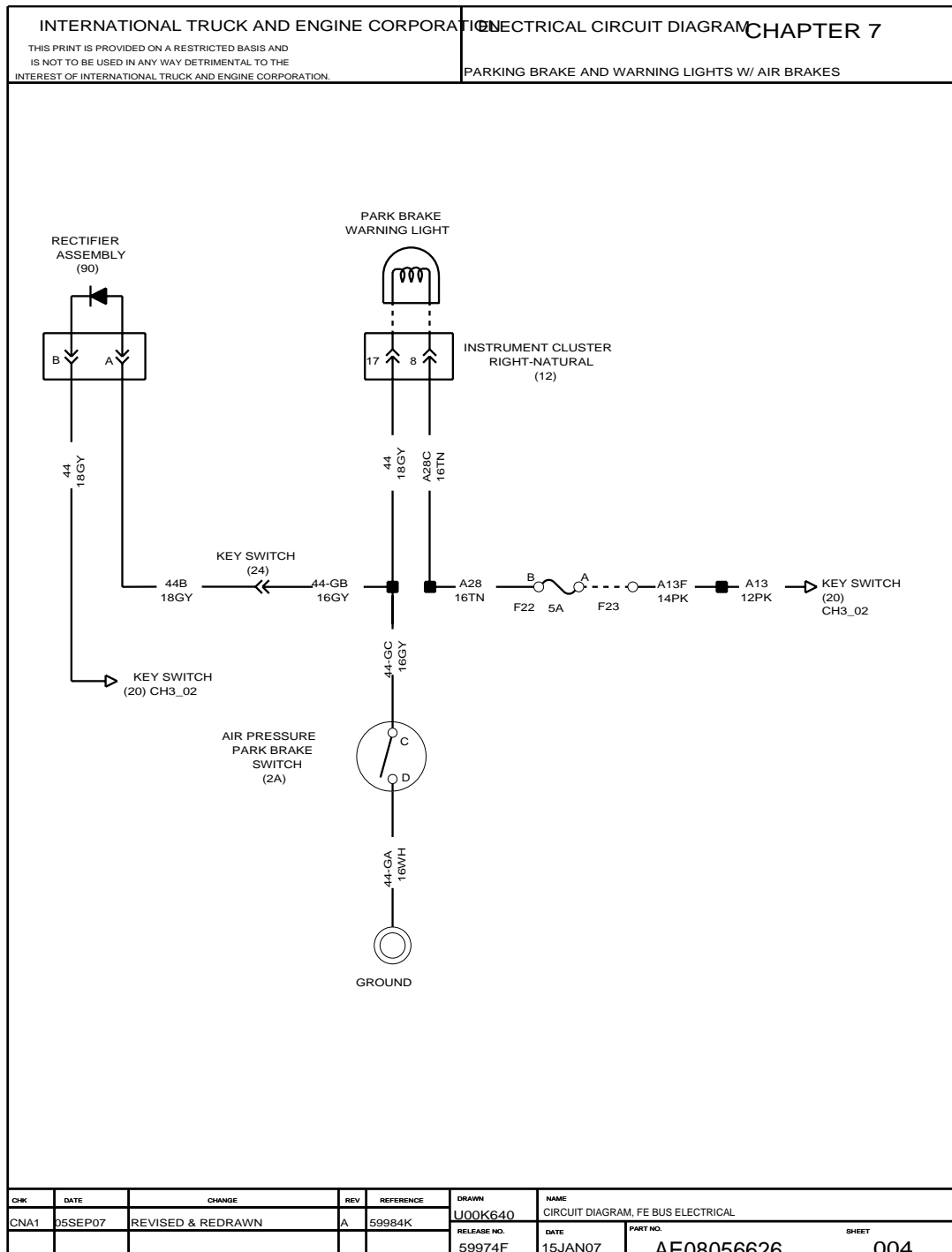


Figure 27 Parking Brake and Warning Lights with Air Brakes

7.5. ELECTRONIC CONTROL / MSM MODULE CONTROL SYSTEM, P. 5

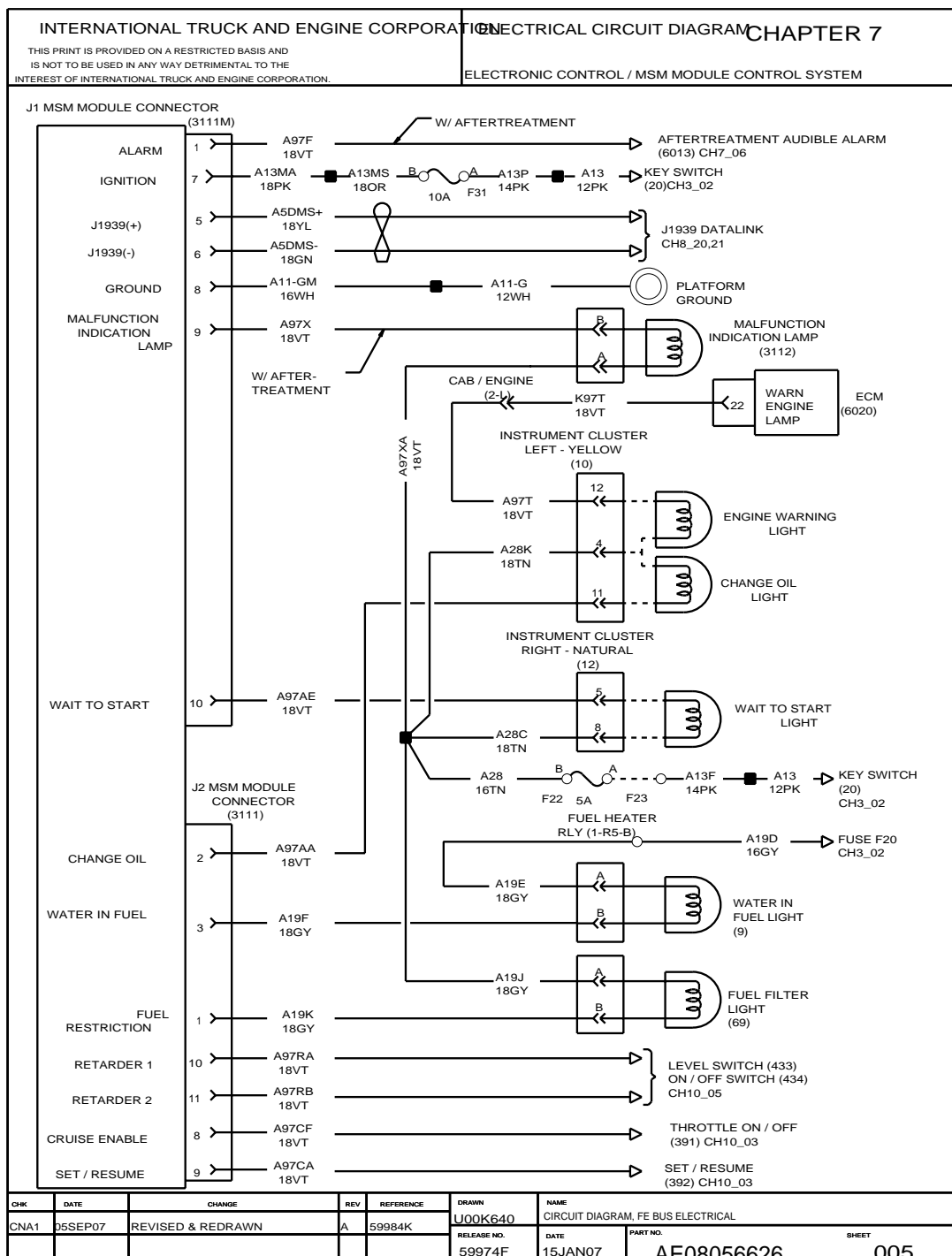


Figure 28 Electronic Control / MSM Module Control System

7.6. AFTERTREATMENT / MSM MODULE CONTROL SYSTEM, P. 6

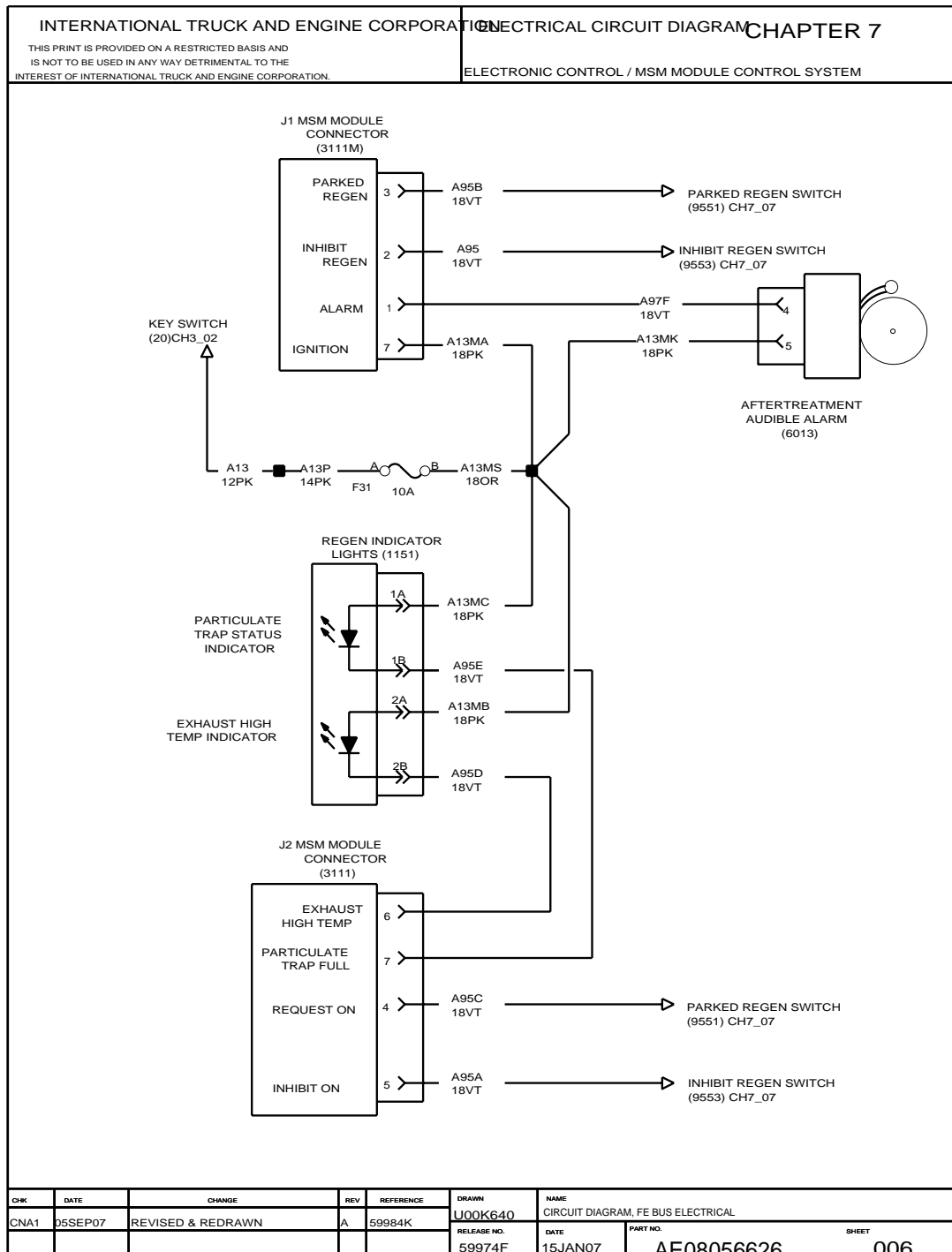


Figure 29 Aftertreatment / MSM Module Control System

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 7

AFTERTREATMENT / MSM MODULE CONTROL SYSTEM (CONT)

PARKED REGEN SWITCH (9551)

BACK LIGHT

ON LIGHT

INHIBIT REGEN SWITCH (9553)

BACK LIGHT

ON LIGHT

J1 MSM MODULE CONNECTOR (3111M) CH7_06

J2 MSM MODULE CONNECTOR (3111) CH7_06

KEY SWITCH (20)CH3_02

HEAD LIGHT SWITCH (23) CH9_03,07

PANEL LIGHT SWITCH (22)

PLATFORM GROUND

PLATFORM GROUND

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|---------|-----------------|-----|-----------|-------------|------------------------------------|
| CNA1 | 05SEP07 | INITIAL RELEASE | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | | | | | RELEASE NO. | DATE |
| | | | | | 59984K | 15JAN07 |
| | | | | | PART NO. | AE08056626 |
| | | | | | | 007 |

Figure 30 Aftertreatment / MSM Module Control System

8. CHASSIS ACCESSORIES (CHAPTER 8)

8.1. HEATED FUEL FILTER, P. 1

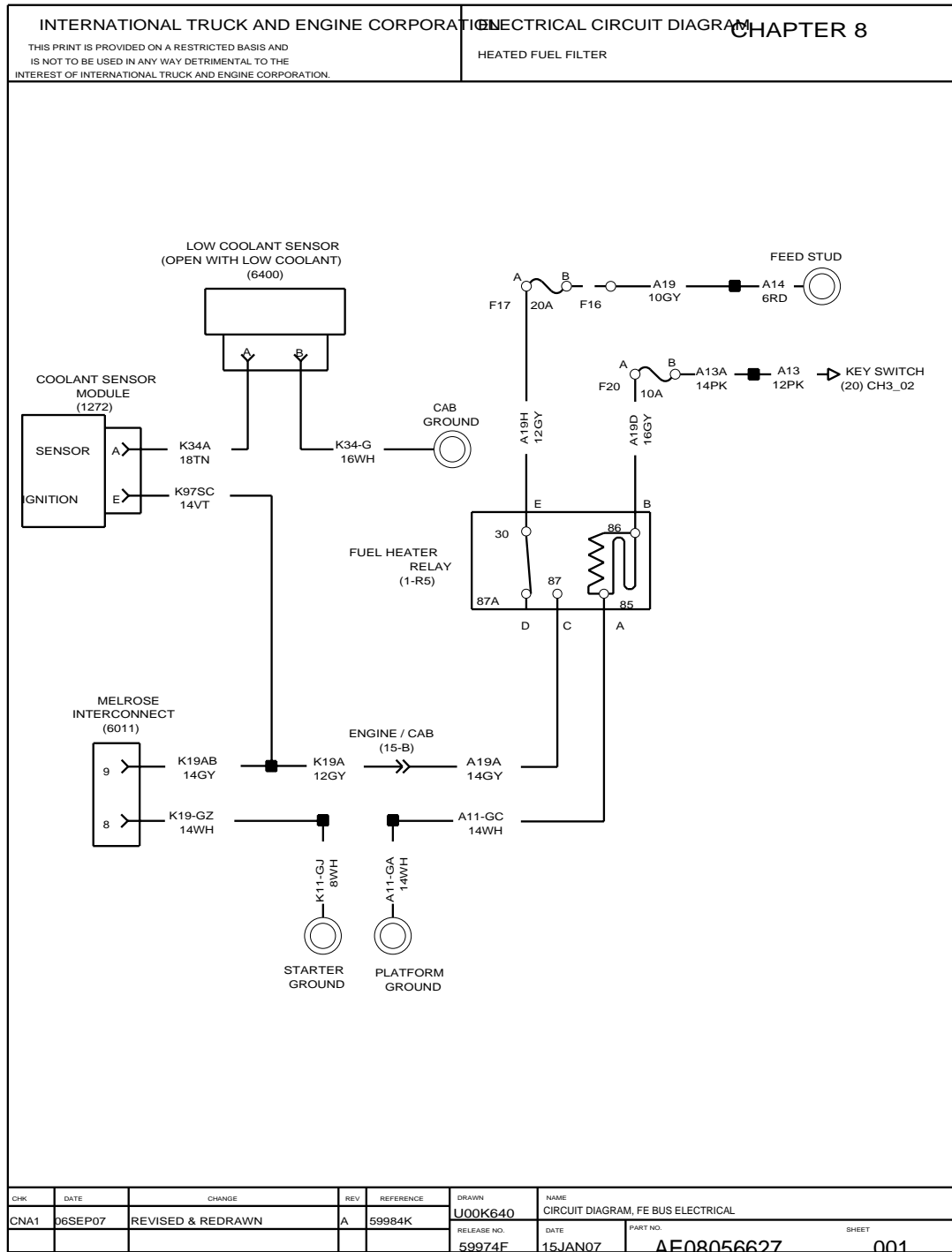


Figure 31 Heated Fuel Filter

8.2. AIR DRYER / DRAIN VALVE, P. 2

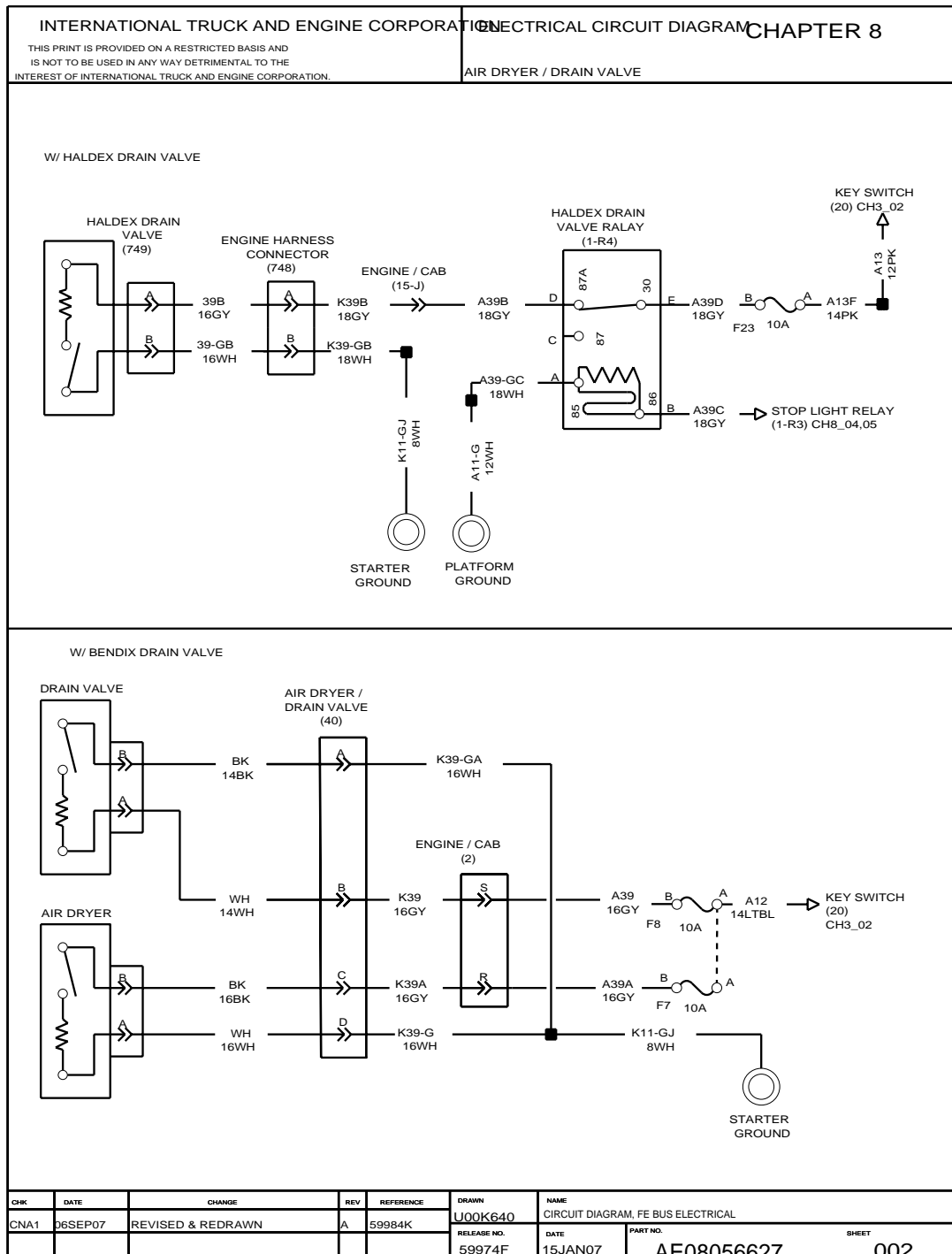


Figure 32 Air Dryer / Drain Valve

8.3. BODY BUILDER CONNECTIONS, P. 3

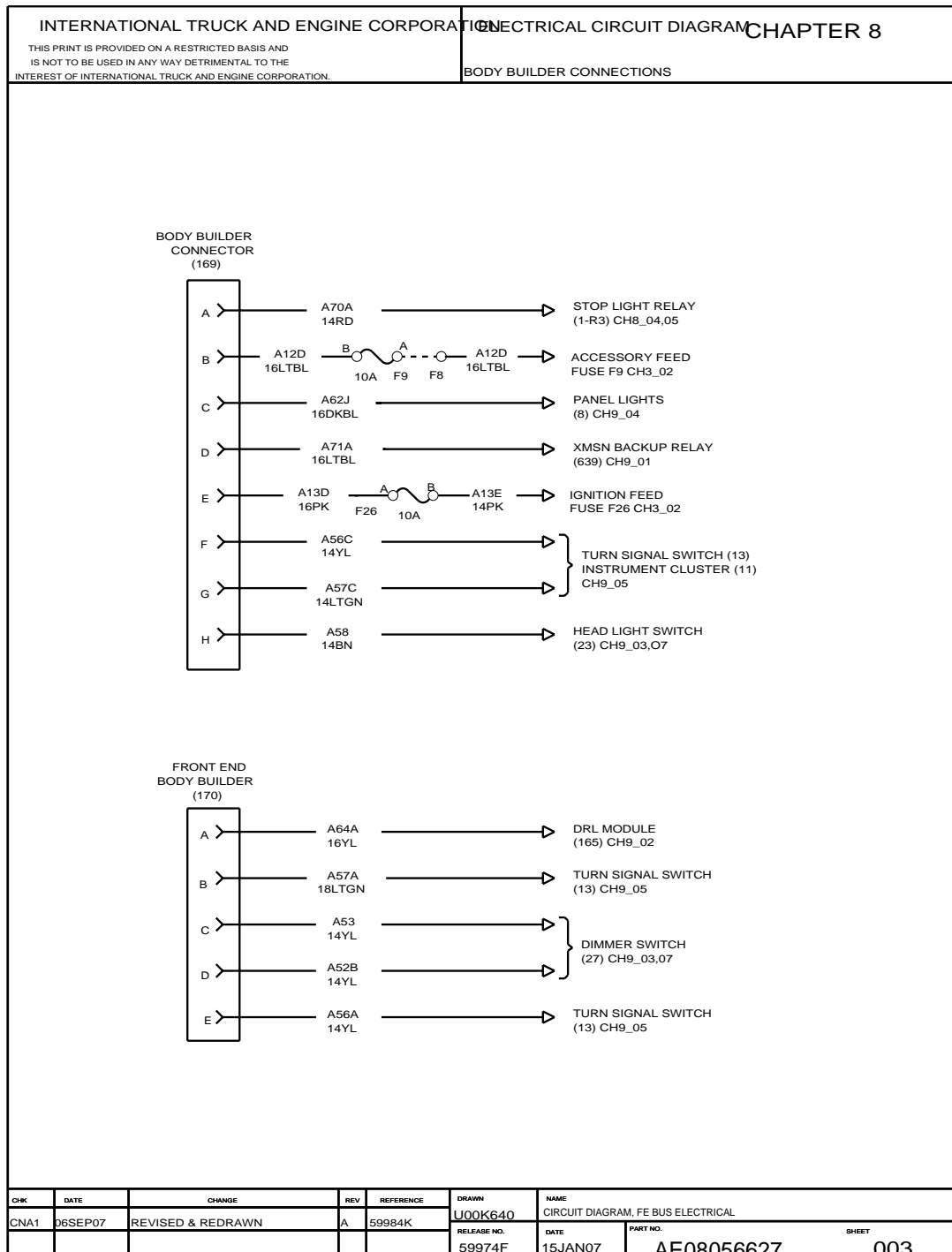


Figure 33 Body Builder Connections

8.4. BRAKE SYSTEM HYDRAULIC, P. 4

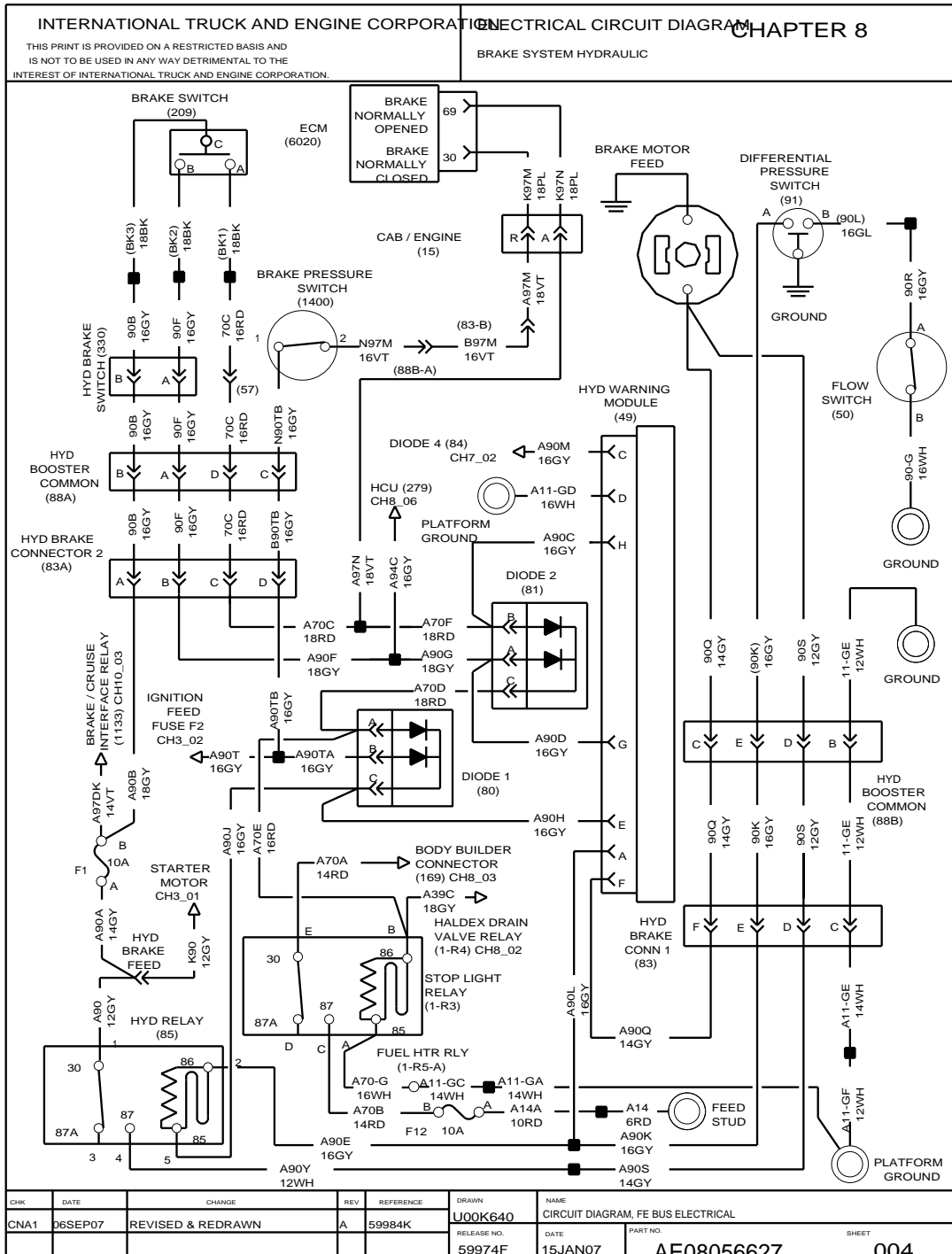


Figure 34 Brake System Hydraulic

8.5. STOP LIGHT SWITCH WITH AIR BRAKES, P. 5

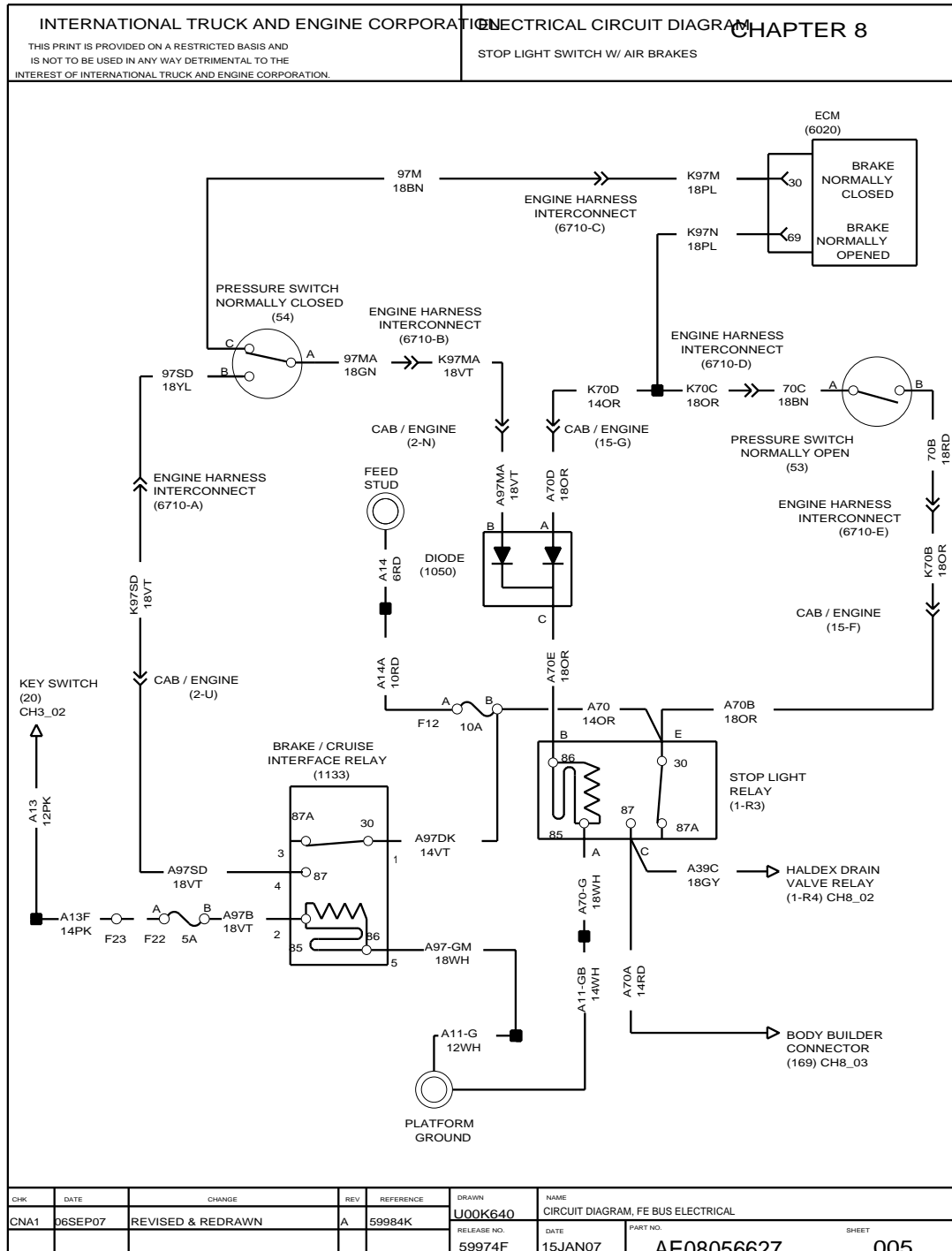


Figure 35 Stop Light Switch with Air Brakes

8.6. ANTILOCK BRAKE SYSTEM WITH HYDRAULIC BRAKES, P. 6

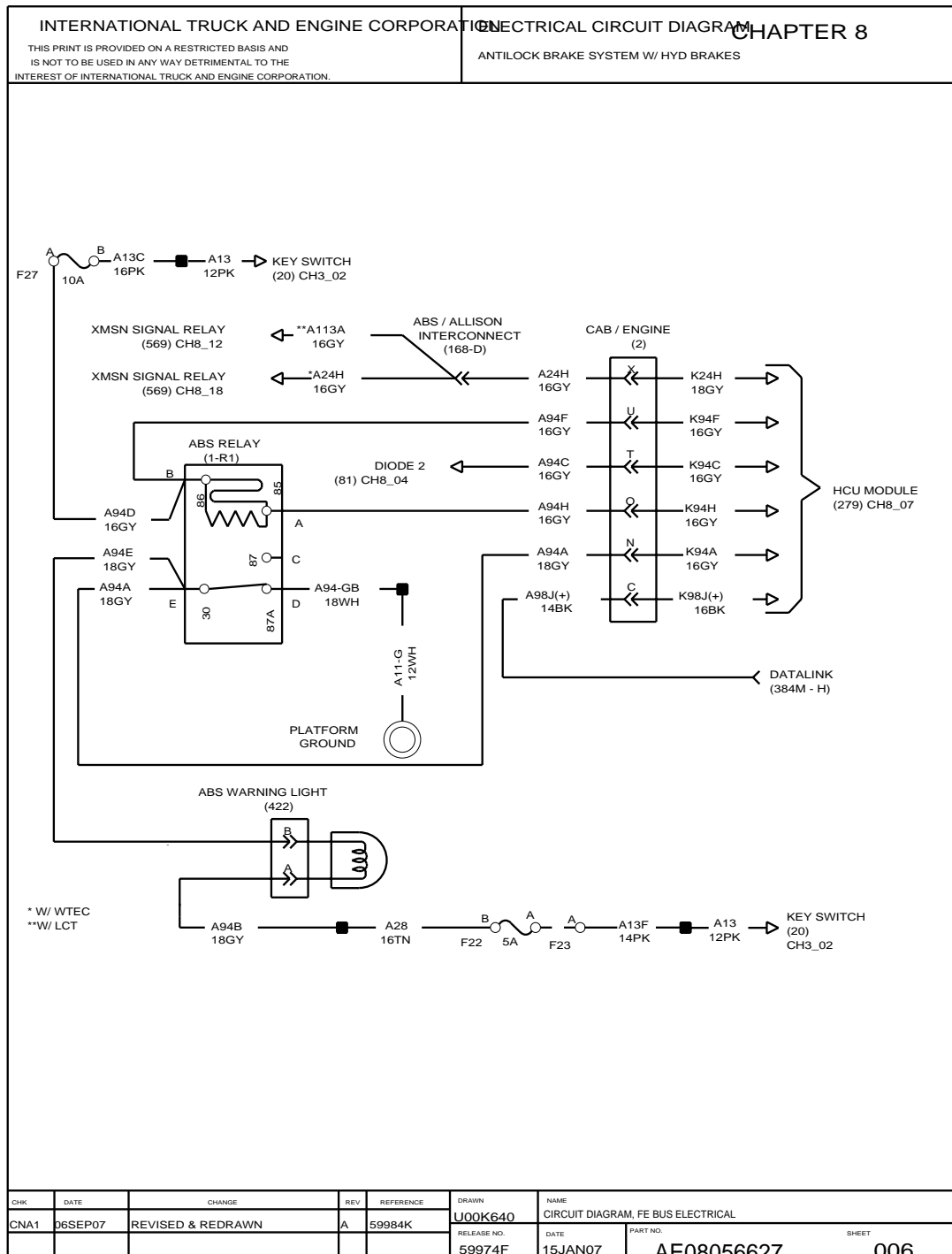


Figure 36 Antilock Brake System with Hydraulic Brakes

8.7. ANTILOCK BRAKE SYSTEM WITH HYDRAULIC BRAKES, P. 7

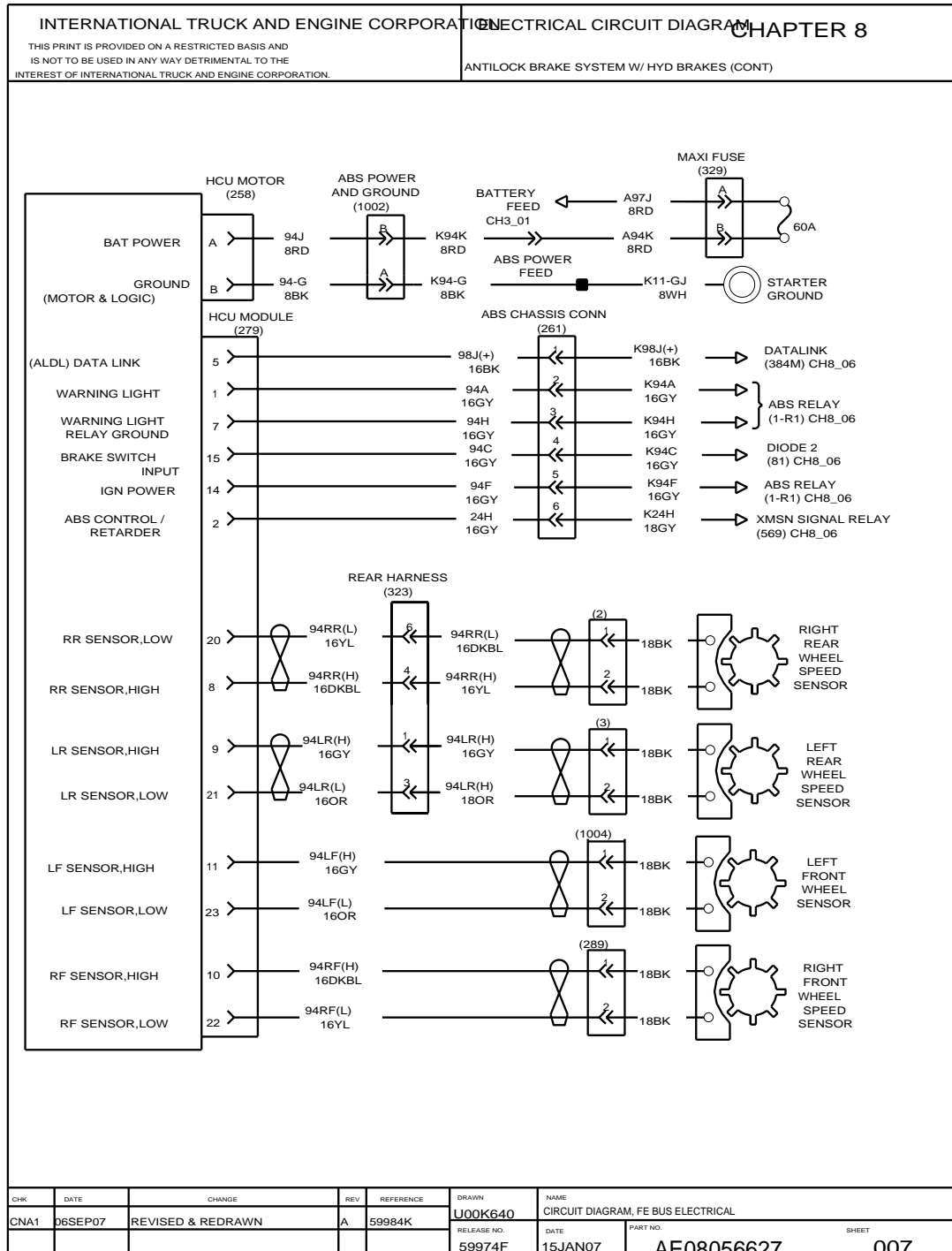


Figure 37 Antilock Brake System with Hydraulic Brakes

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 8

WHEEL CHAIR W/ PARK BRAKE AND LIFT DOOR INTERLOCK

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|---------|-------------------|-----|-----------|-----------------------|------------------------------------|
| CNA1 | 06SEP07 | REVISED & REDRAWN | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | | | | | RELEASE NO. 59974E | PART NO. A508056627 |
| | | | | | DATE 15.JAN07 | SHEET 008 |

Figure 38 Wheel Chair with Park Brake and Lift Door Interlock

8.9. ABS6 — BENDIX WITH AIR BRAKES, P. 9

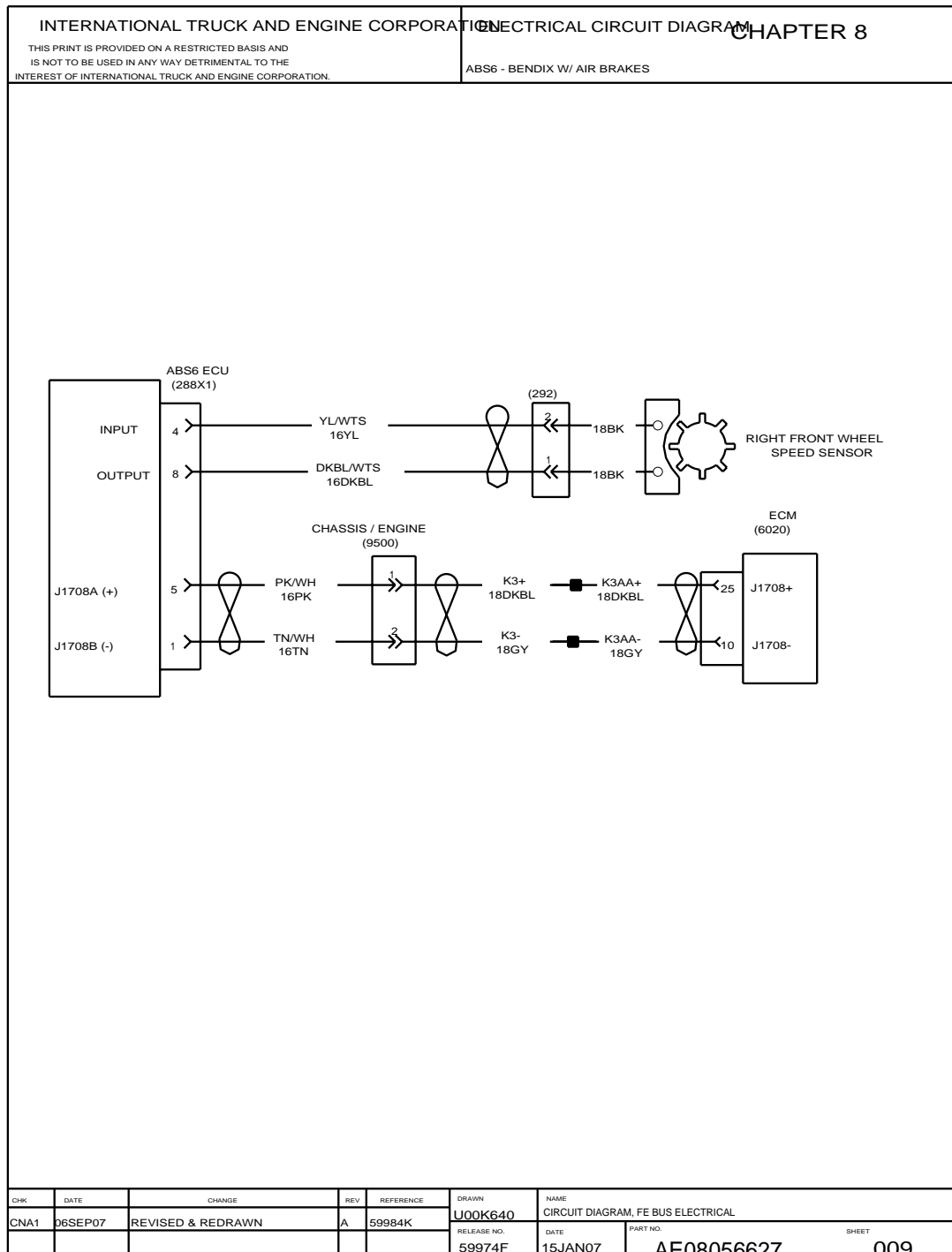


Figure 39 ABS6 — Bendix with Air Brakes

8.10. ABS6 — BENDIX WITH AIR BRAKES, P. 10

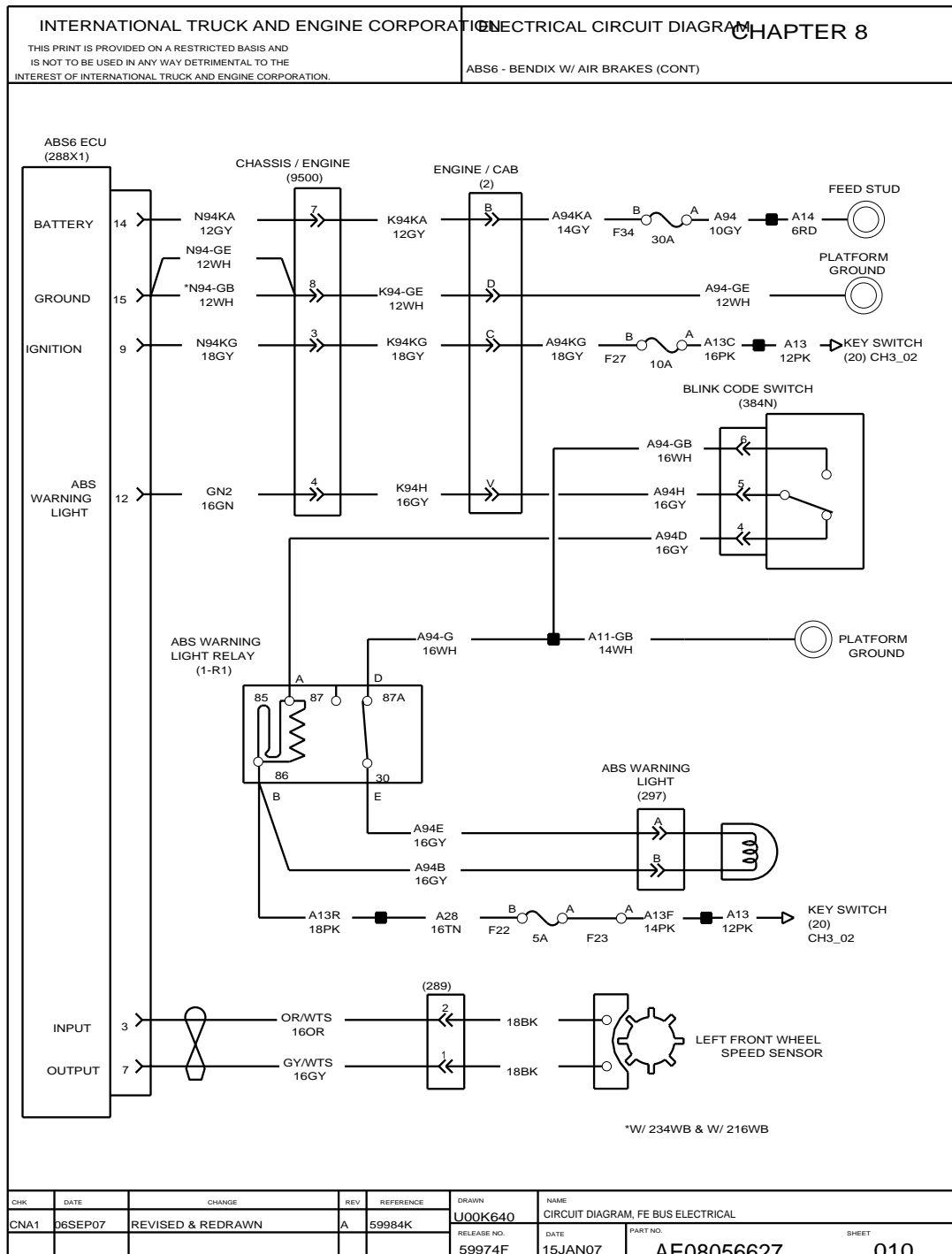


Figure 40 ABS6 — Bendix with Air Brakes

8.11. ABS6 — BENDIX WITH AIR BRAKES, P. 11

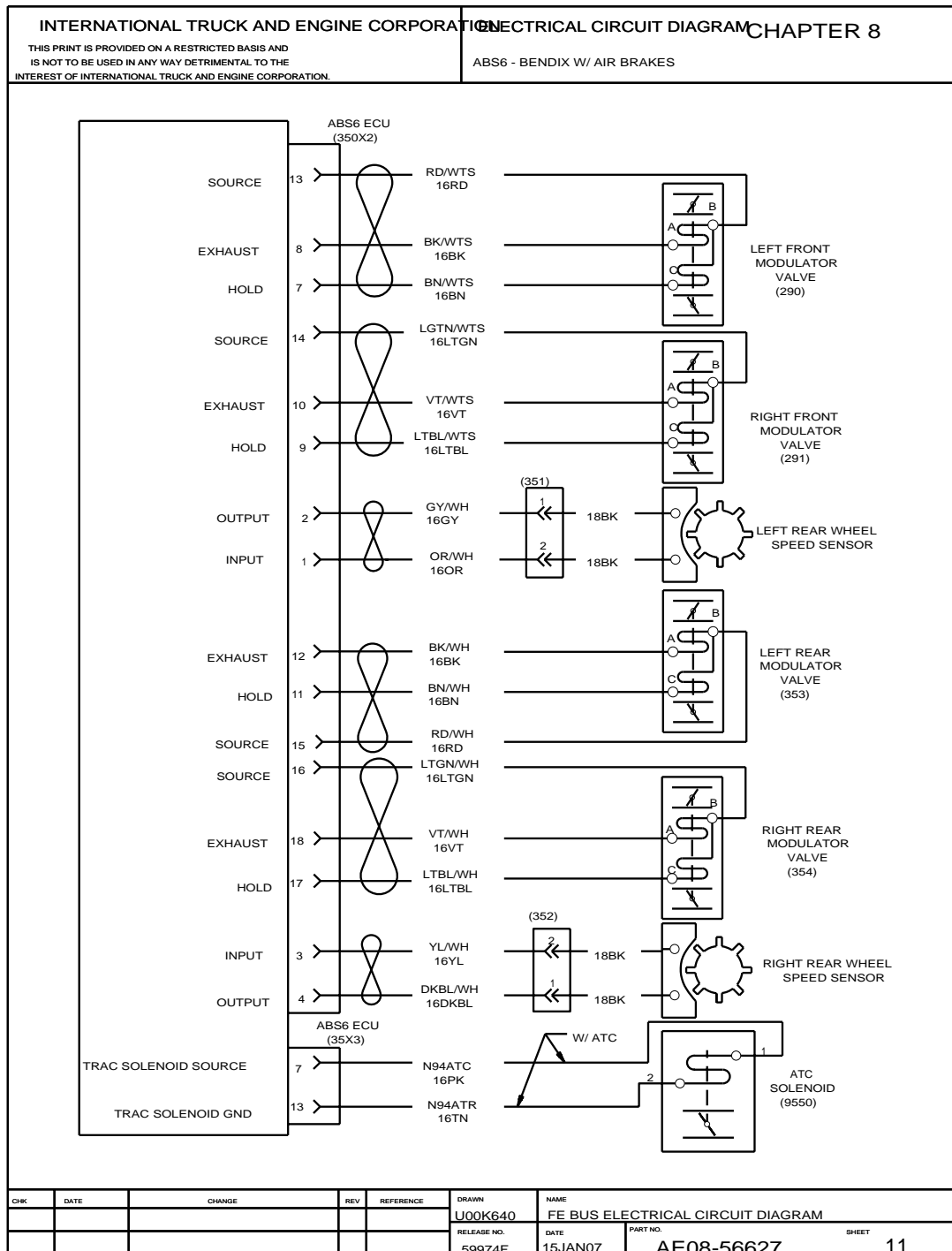


Figure 41 ABS6 — Bendix with Air Brakes

8.12. ALLISON 1000/2000 WITH LCT GEN IV WITH I6 ENGINE, P. 12

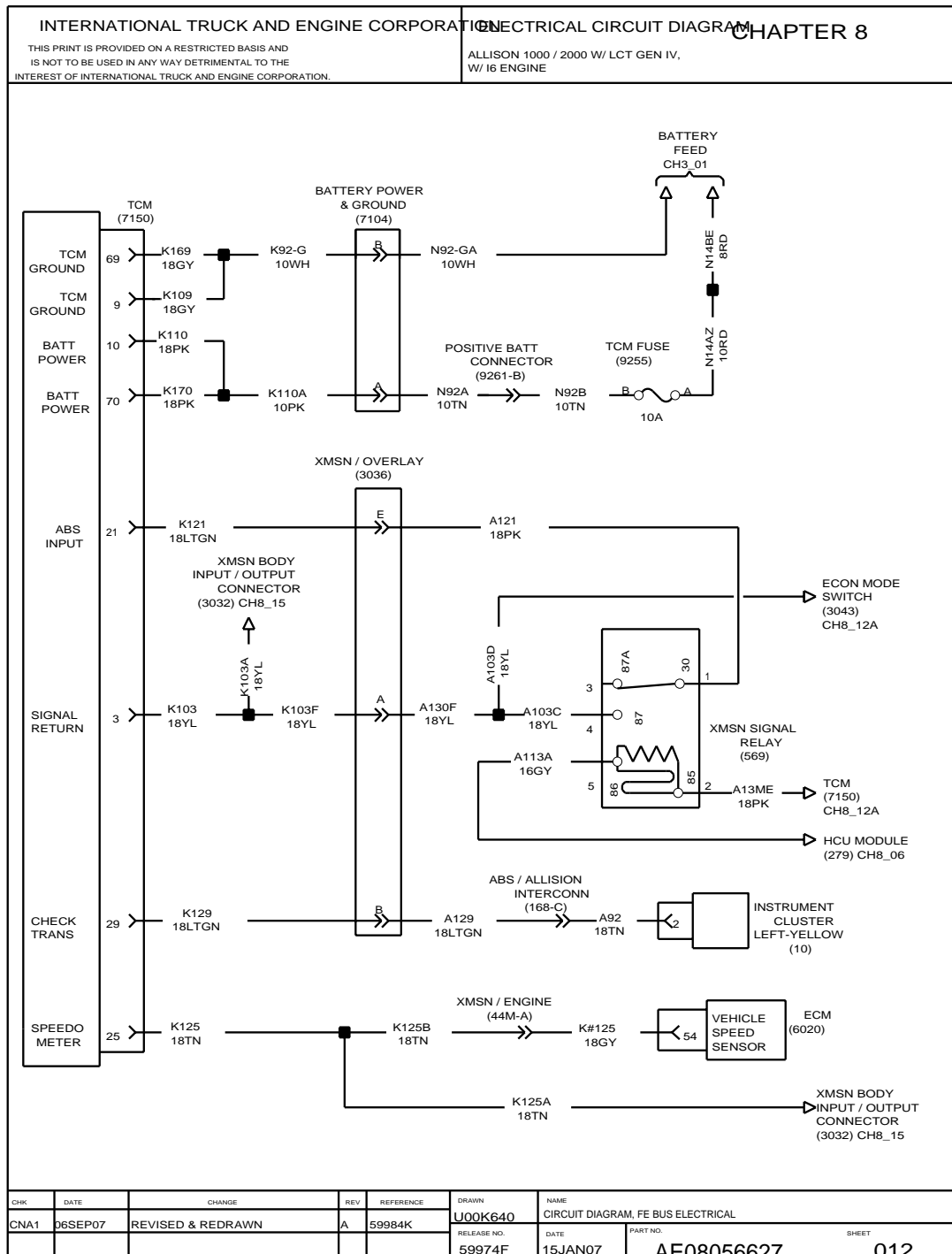


Figure 42 Allison 1000/2000 with LCT Gen IV with I6 Engine

8.13. ALLISON 1000/2000 WITH LCT GEN IV WITH I6 ENGINE, P. 12A

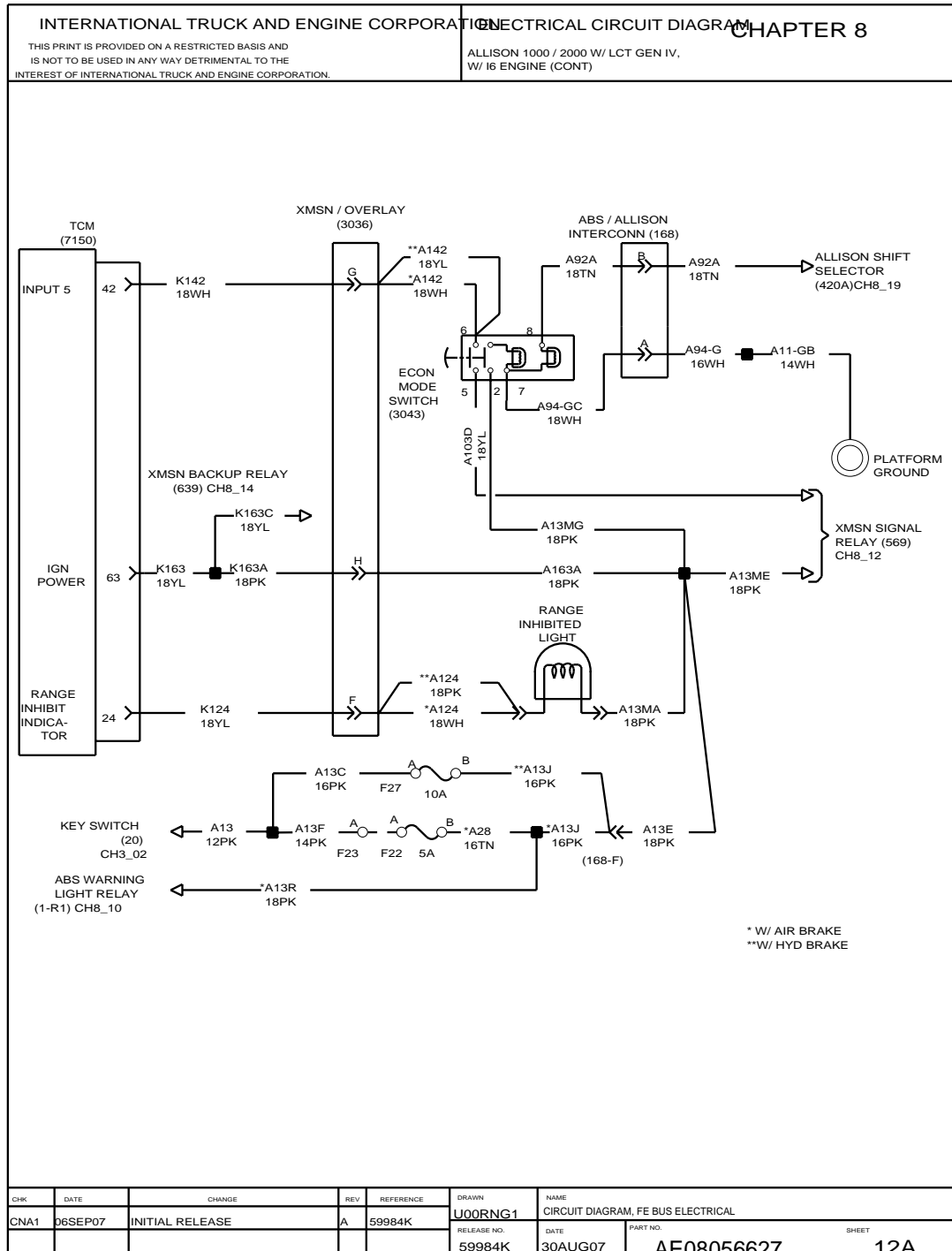


Figure 43 Allison 1000/2000 with LCT Gen IV with I6 Engine

8.14. ALLISON 1000/2000 WITH LCT GEN IV WITH I6 ENGINE, P. 13

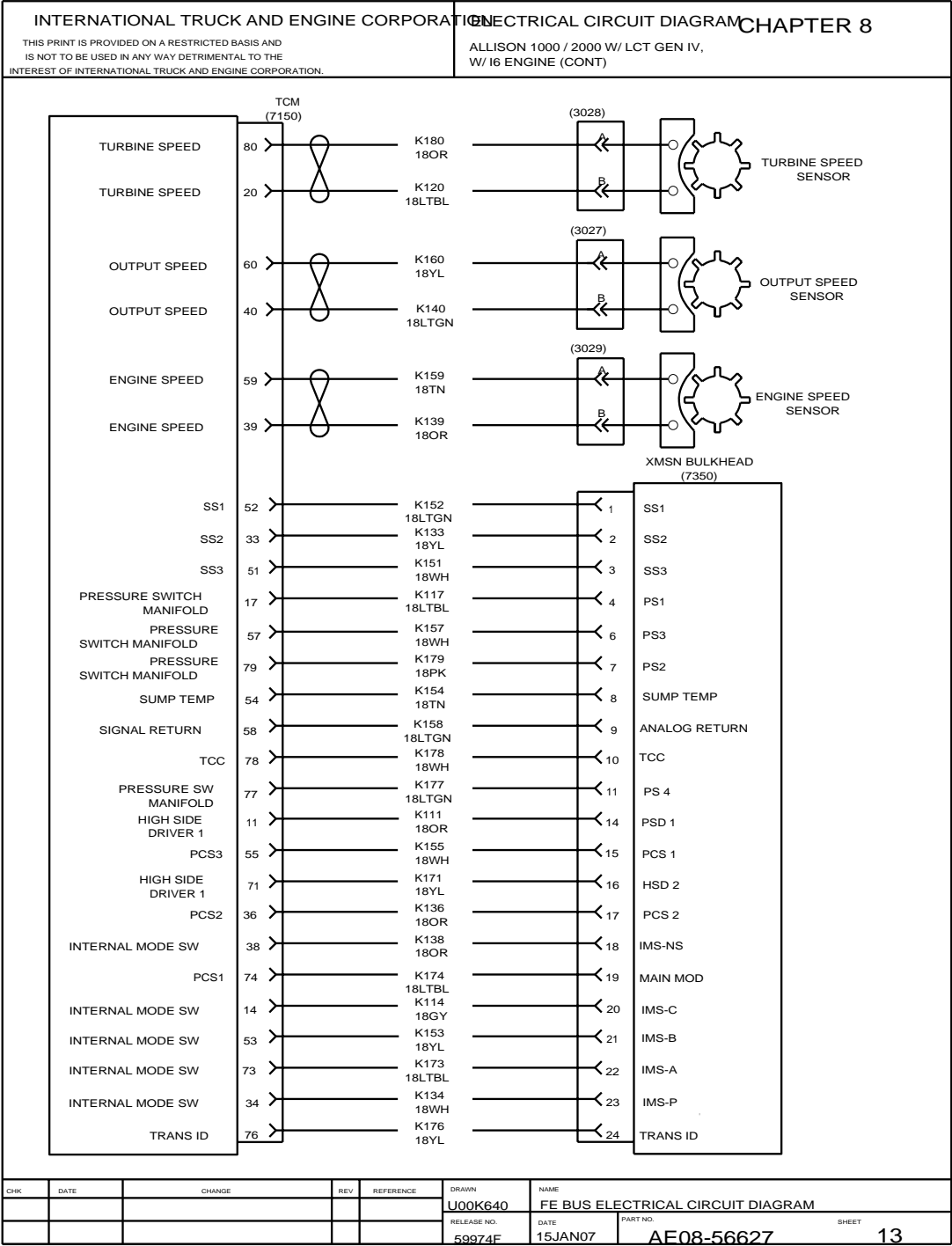


Figure 44 Allison 1000/2000 with LCT Gen IV with I6 Engine

8.15. ALLISON 1000/2000 WITH LCT GEN IV WITH I6 ENGINE, P. 14

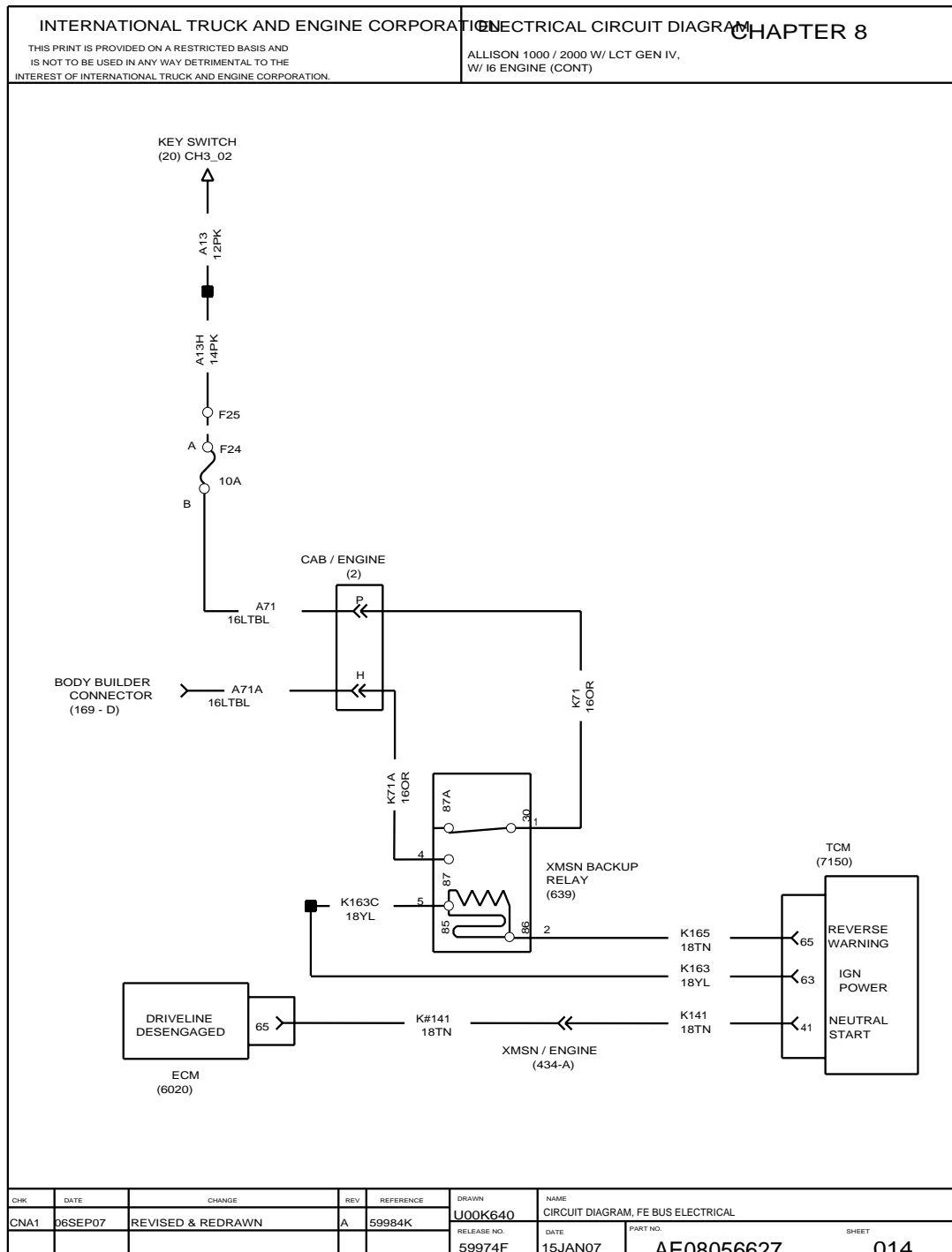


Figure 45 Allison 1000/2000 with LCT Gen IV with I6 Engine

8.16. ALLISON 1000/2000 WITH LCT GEN IV WITH I6 ENGINE, P. 15

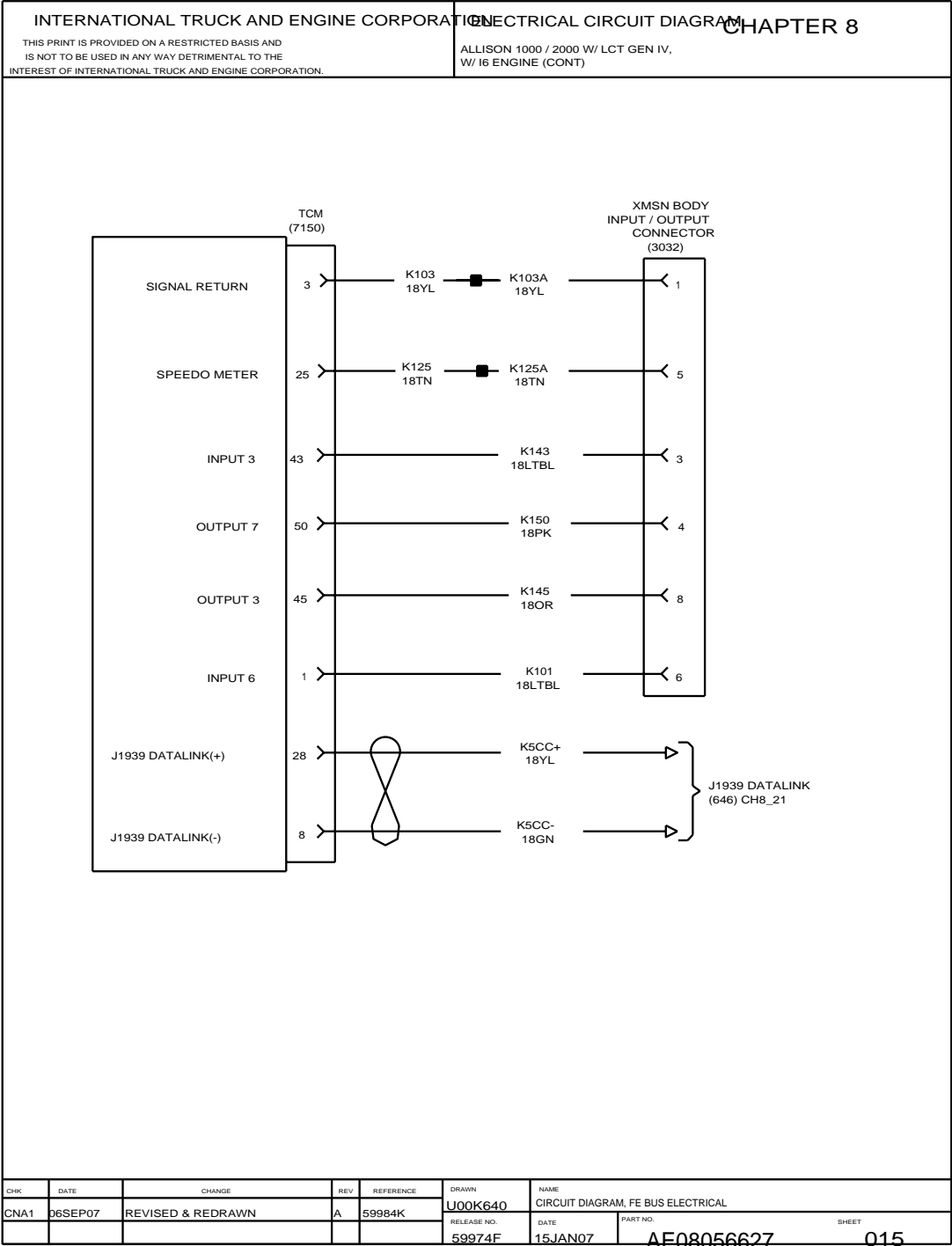


Figure 46 Allison 1000/2000 with LCT Gen IV with I6 Engine

8.17. ALLISON 3000/4000 WITH WTEC GEN IV, P. 16

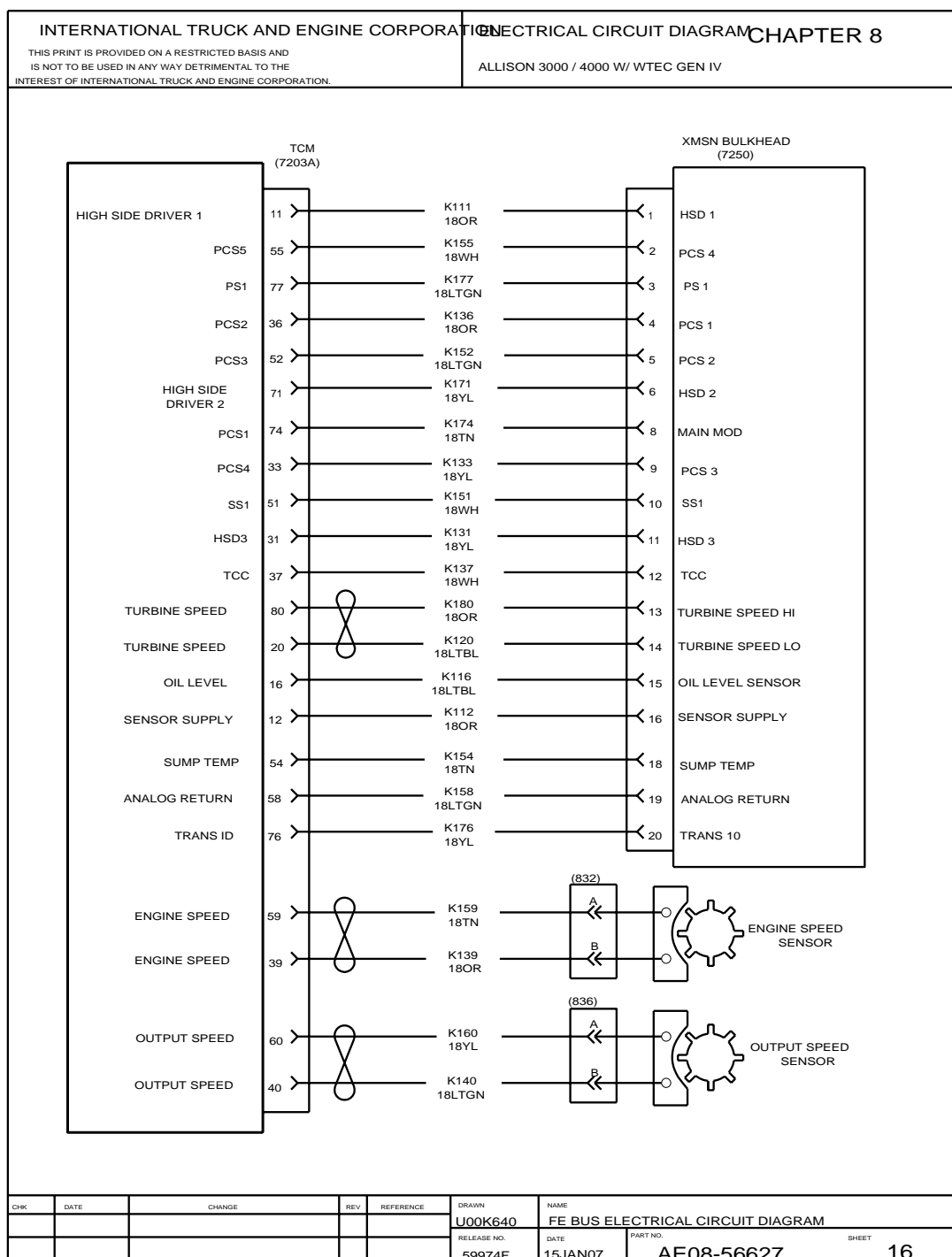


Figure 47 Allison 3000/4000 with WTEC Gen IV

8.18. ALLISON 3000/4000 WITH WTEC GEN IV WITH I6 ENGINE, P. 17

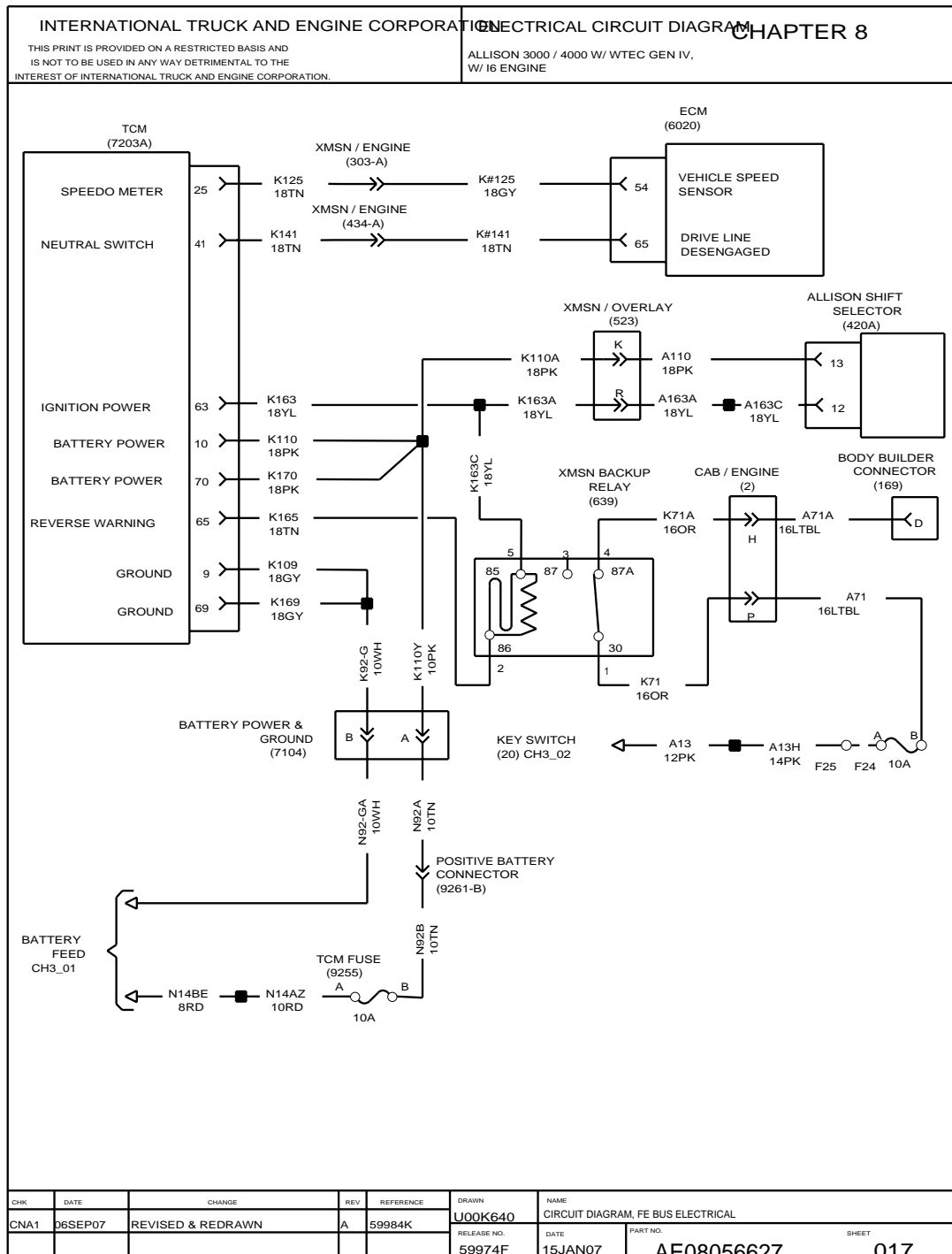


Figure 48 Allison 3000/4000 with WTEC Gen IV with I6 Engine

8.19. ALLISON 3000/4000 WITH WTEC GEN IV SPARE INPUT/OUTPUT, P. 18

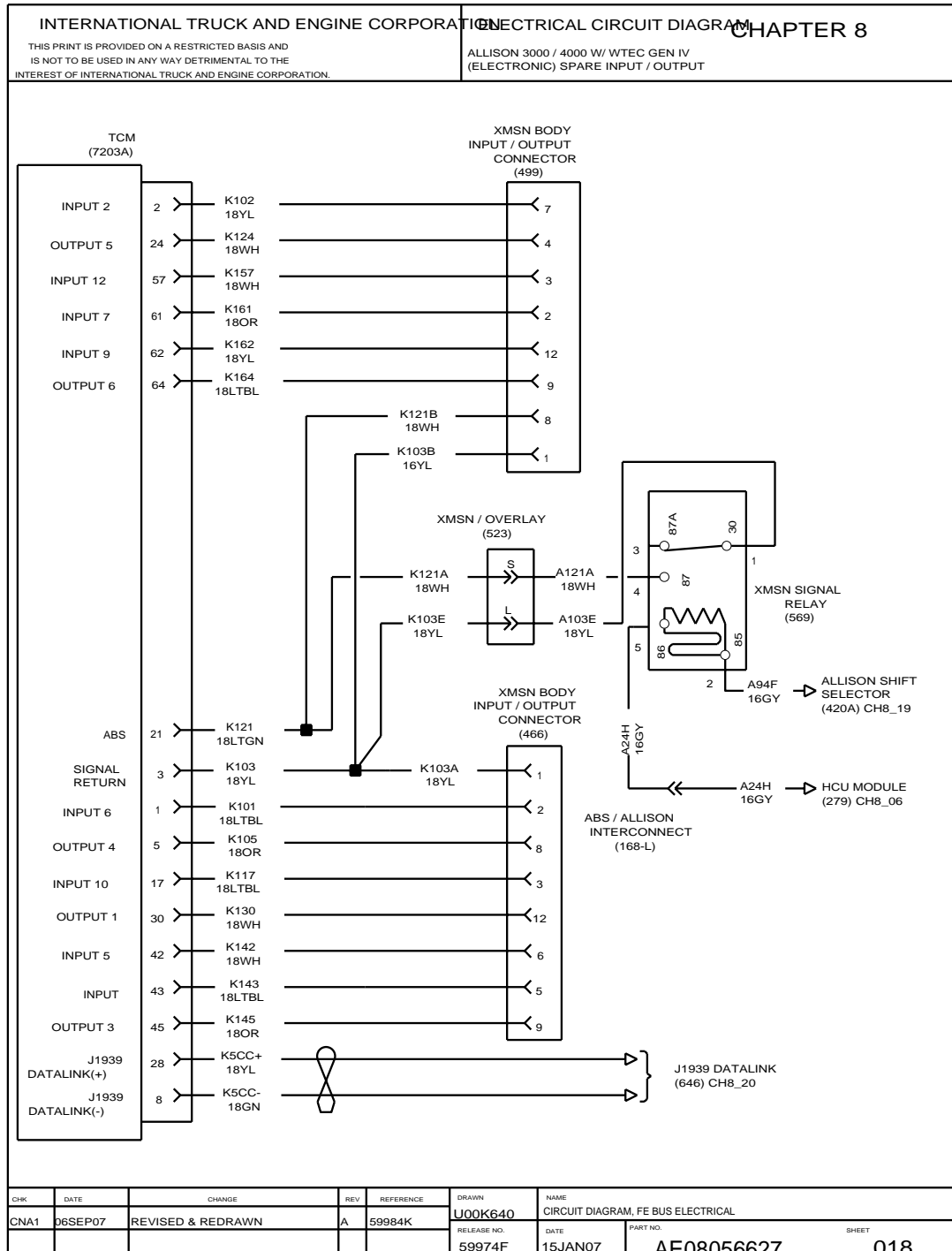


Figure 49 Allison 3000/4000 with WTEC Gen IV Spare Input/Output

8.20. ALLISON 3000/4000 WITH WTEC GEN IV WITH I6 ENGINE, P. 19

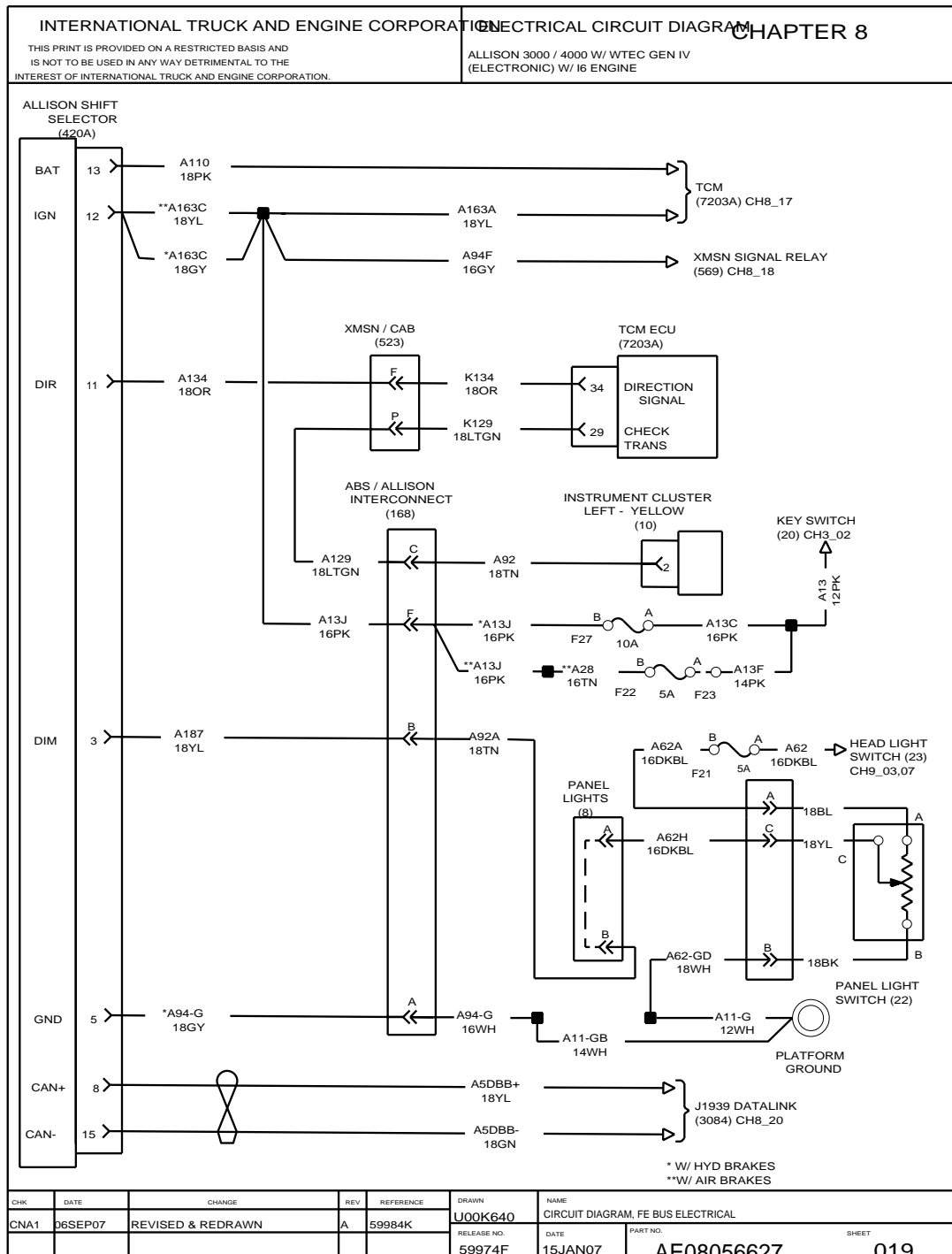


Figure 50 Allison 3000/4000 with WTEC Gen IV with I6 Engine

8.21. J1939 DATALINK WITH WTEC GEN IV, P. 20

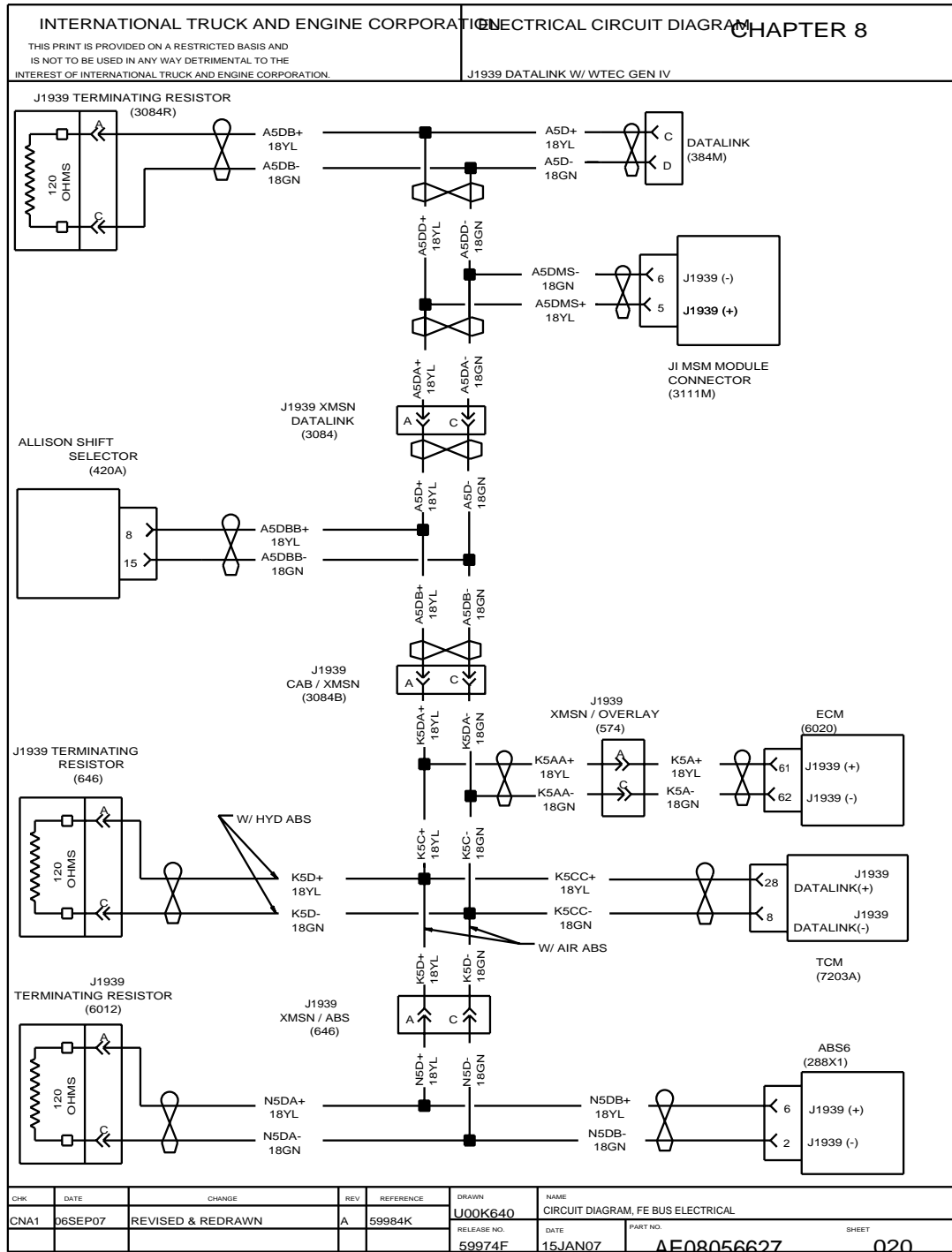


Figure 51 J1939 Datalink with WTEC Gen IV

8.22. J1939 DATALINK WITH LCT GEN IV, P. 21

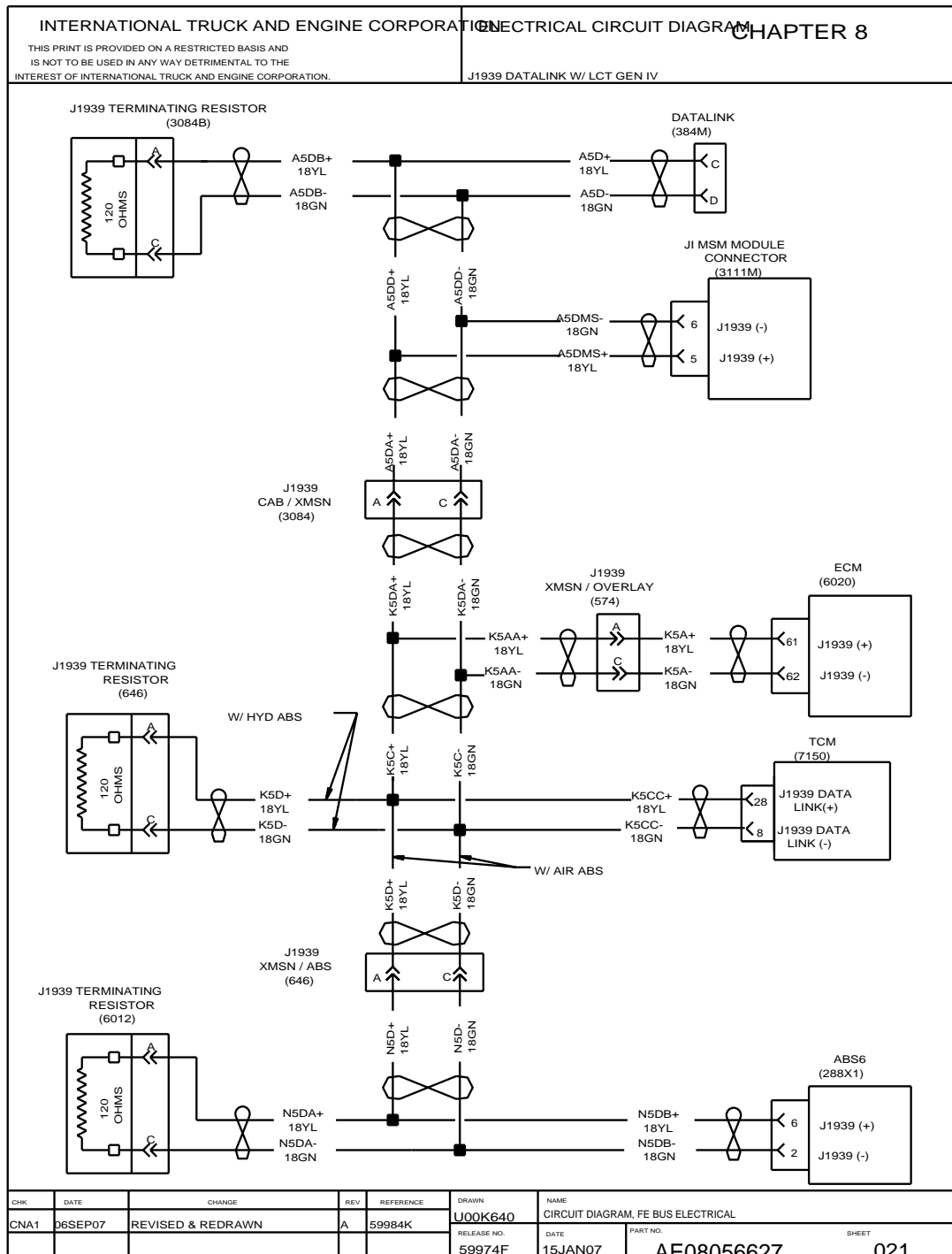


Figure 52 J1939 Datalink with LCT Gen IV

8.23. J1708 DATALINK, P. 22

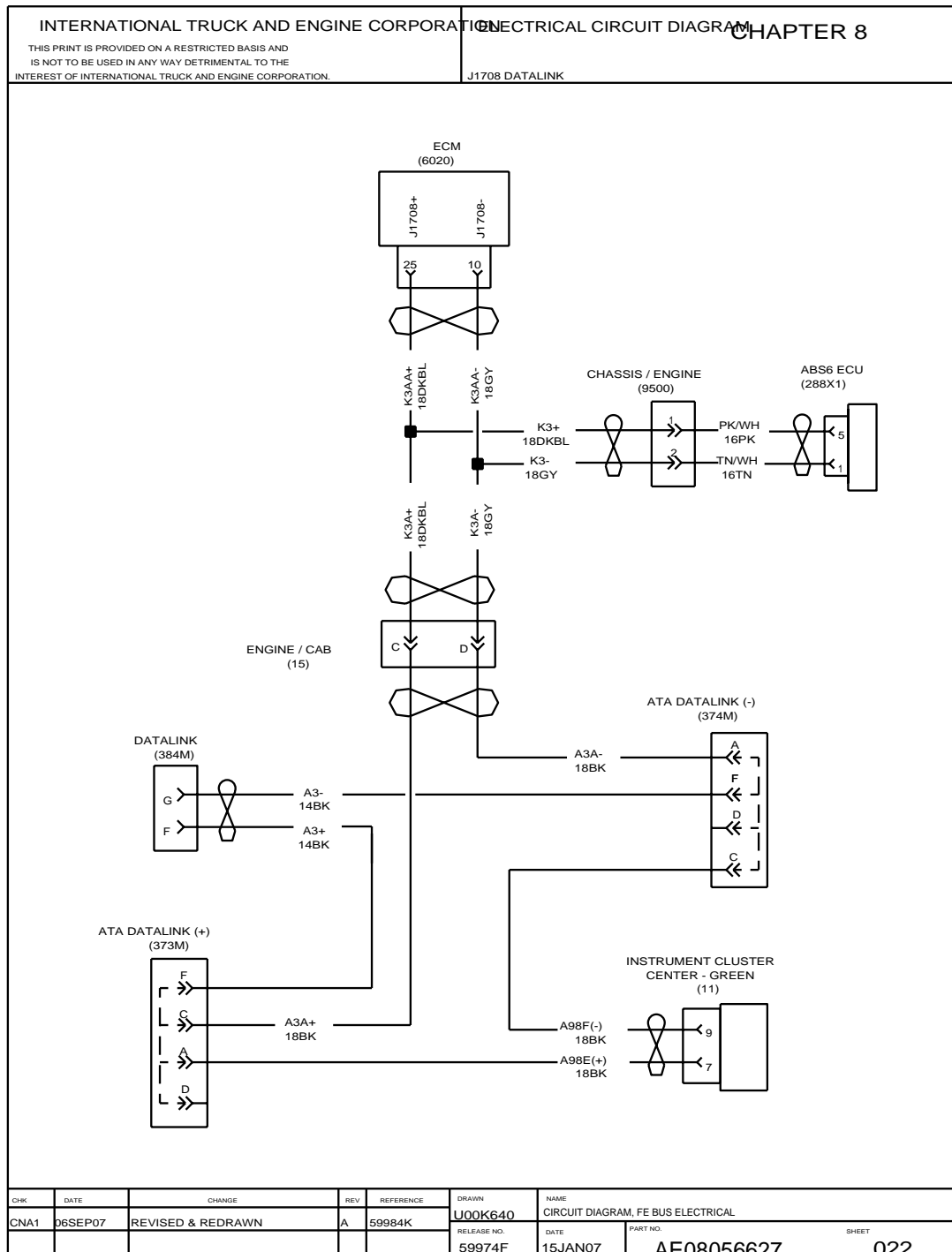


Figure 53 J1708 Datalink

8.24. AIR POWERED PARK BRAKE WITH HYDRAULIC BRAKE, P. 23

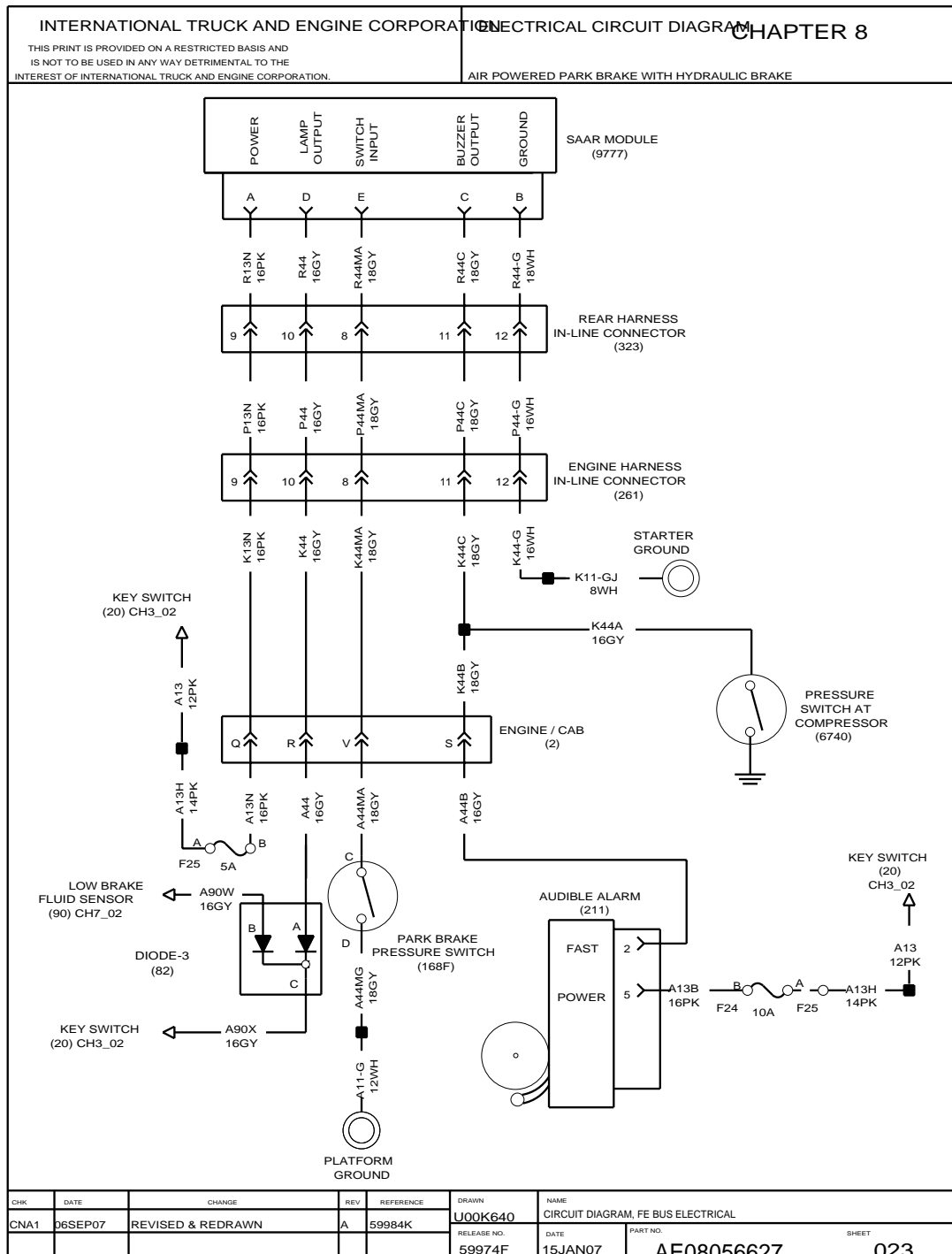


Figure 54 Air Powered Park Brake with Hydraulic Brake

9. LIGHT SYSTEMS (CHAPTER 9)

9.1. BACKUP LIGHT SYSTEM, P. 1

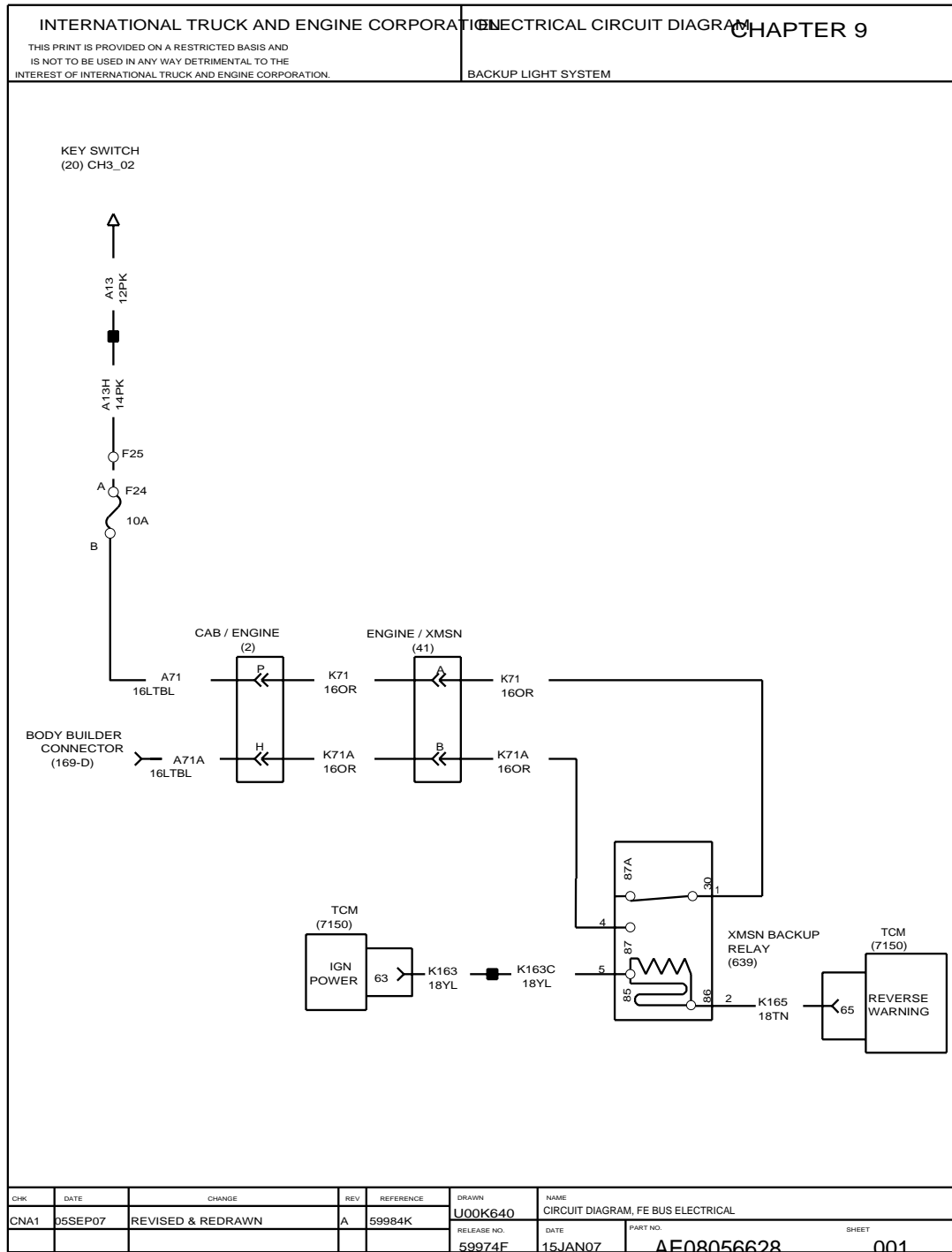


Figure 55 Backup Light System

9.2. DAYTIME RUNNING LIGHTS (USA), P. 2

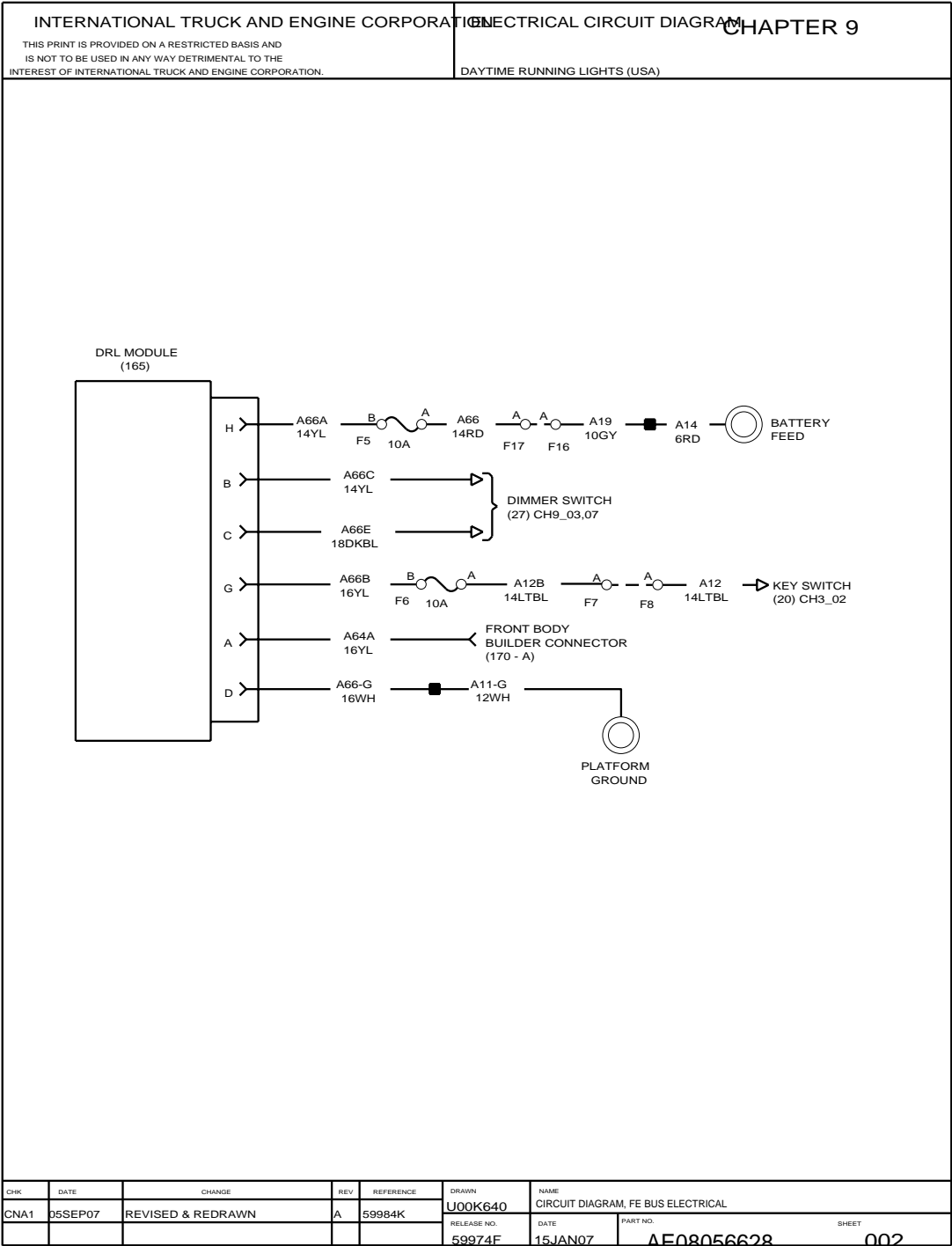


Figure 56 Daytime Running Lights (USA)

9.3. HEADLIGHT SYSTEM, P. 3

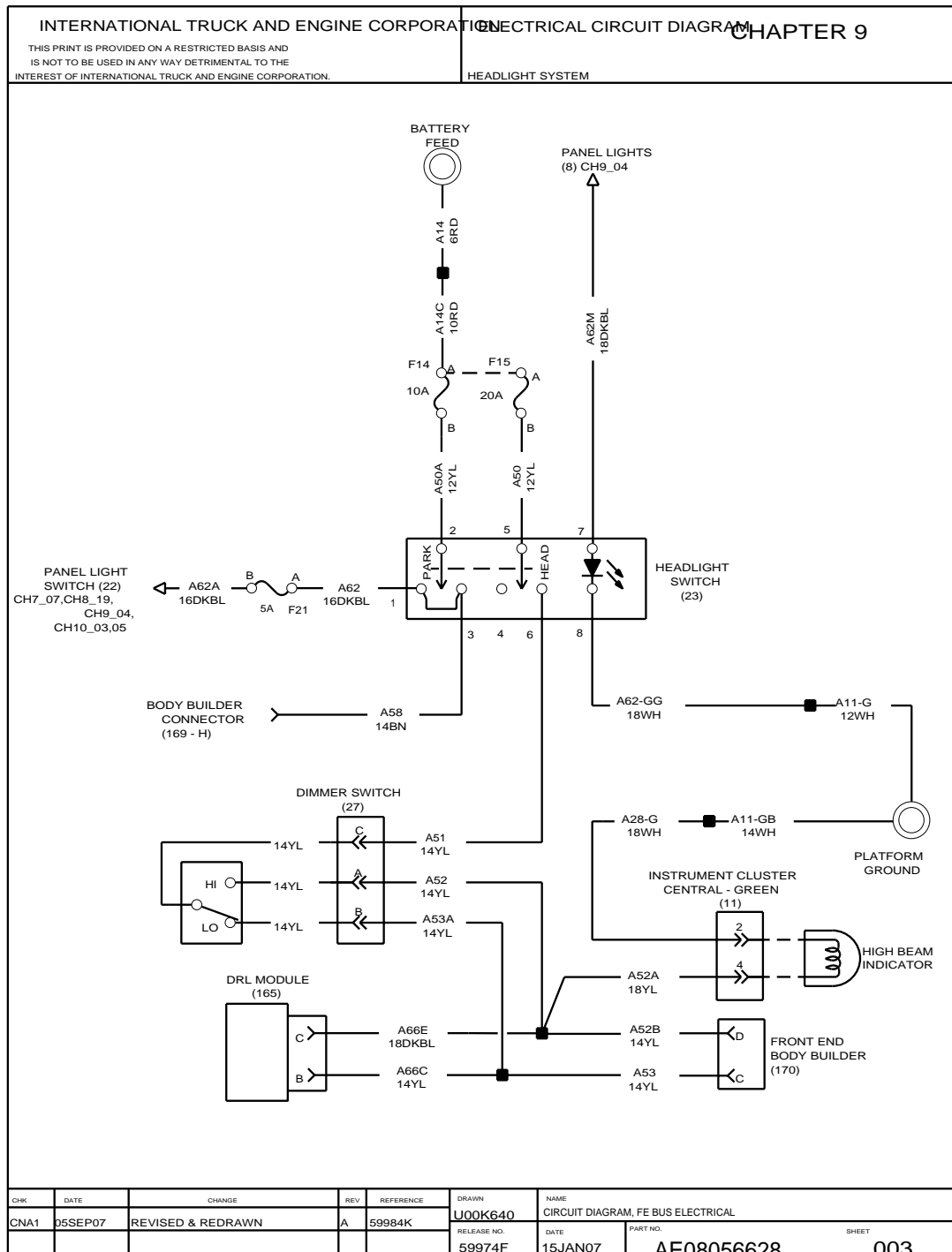


Figure 57 Headlight System

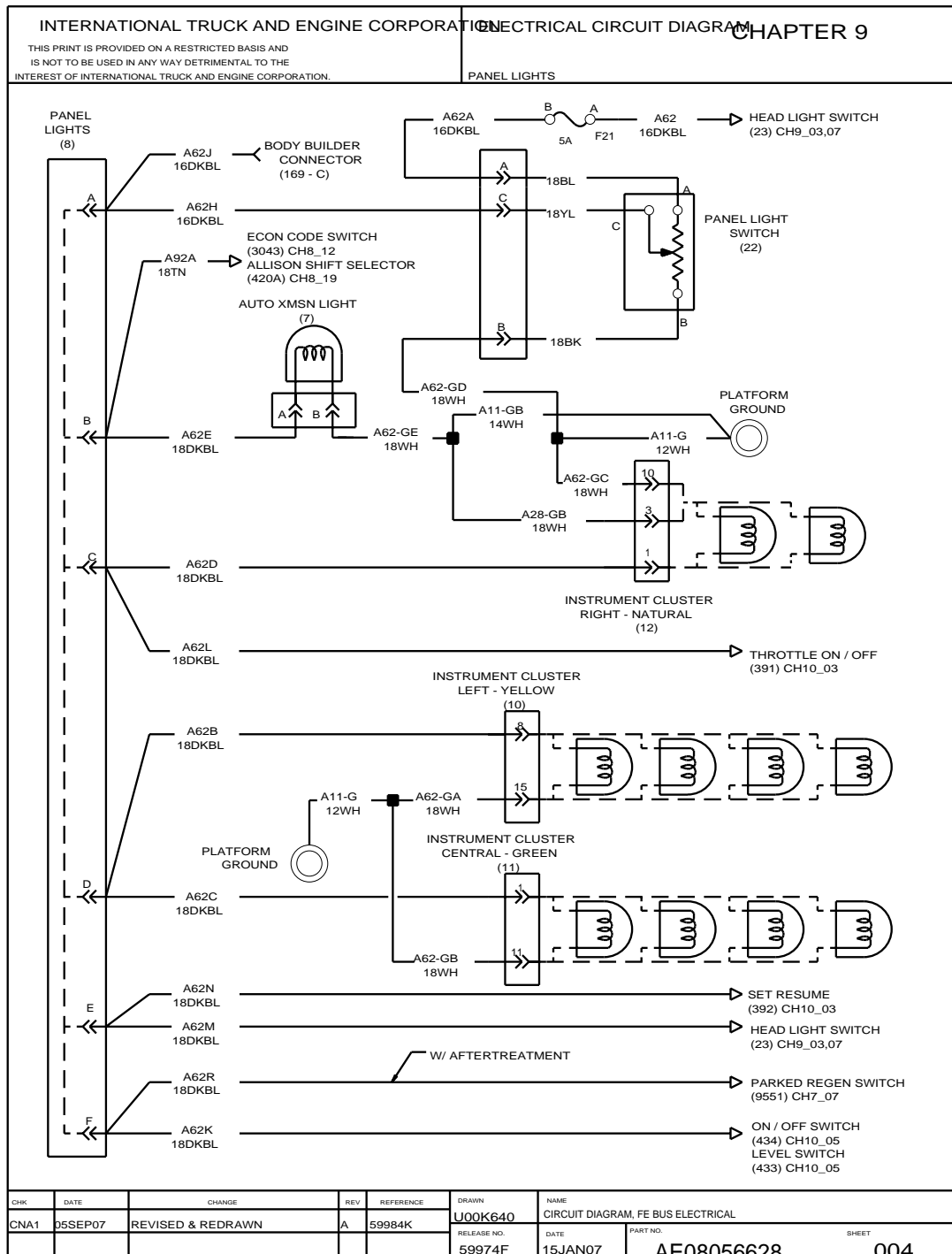


Figure 58 Panel Lights

9.5. TURN SIGNAL SYSTEM, P. 5

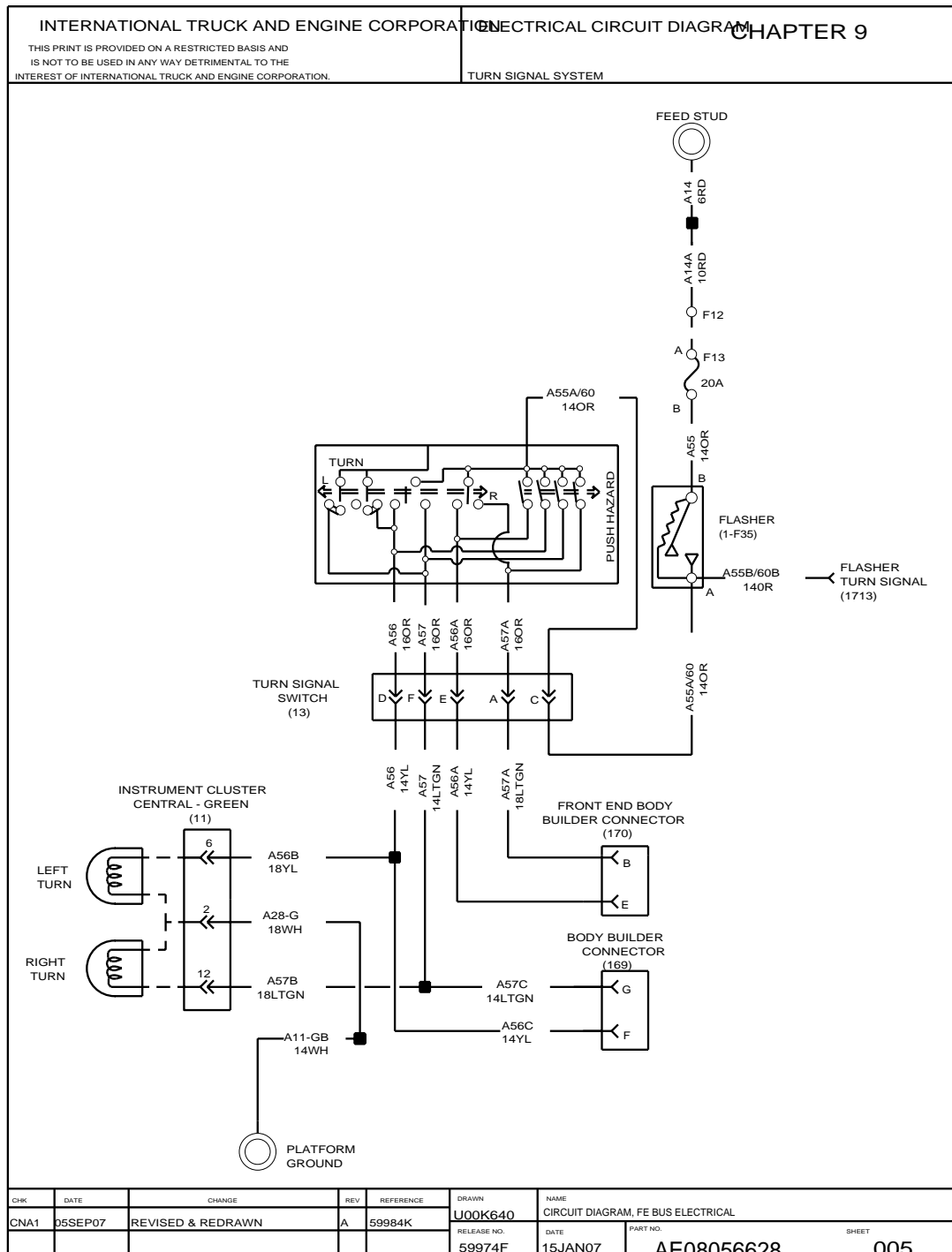


Figure 59 Turn Signal System

9.6. DAYTIME RUNNING LIGHTS WITH ENGINE RUNNING ONLY, P. 6

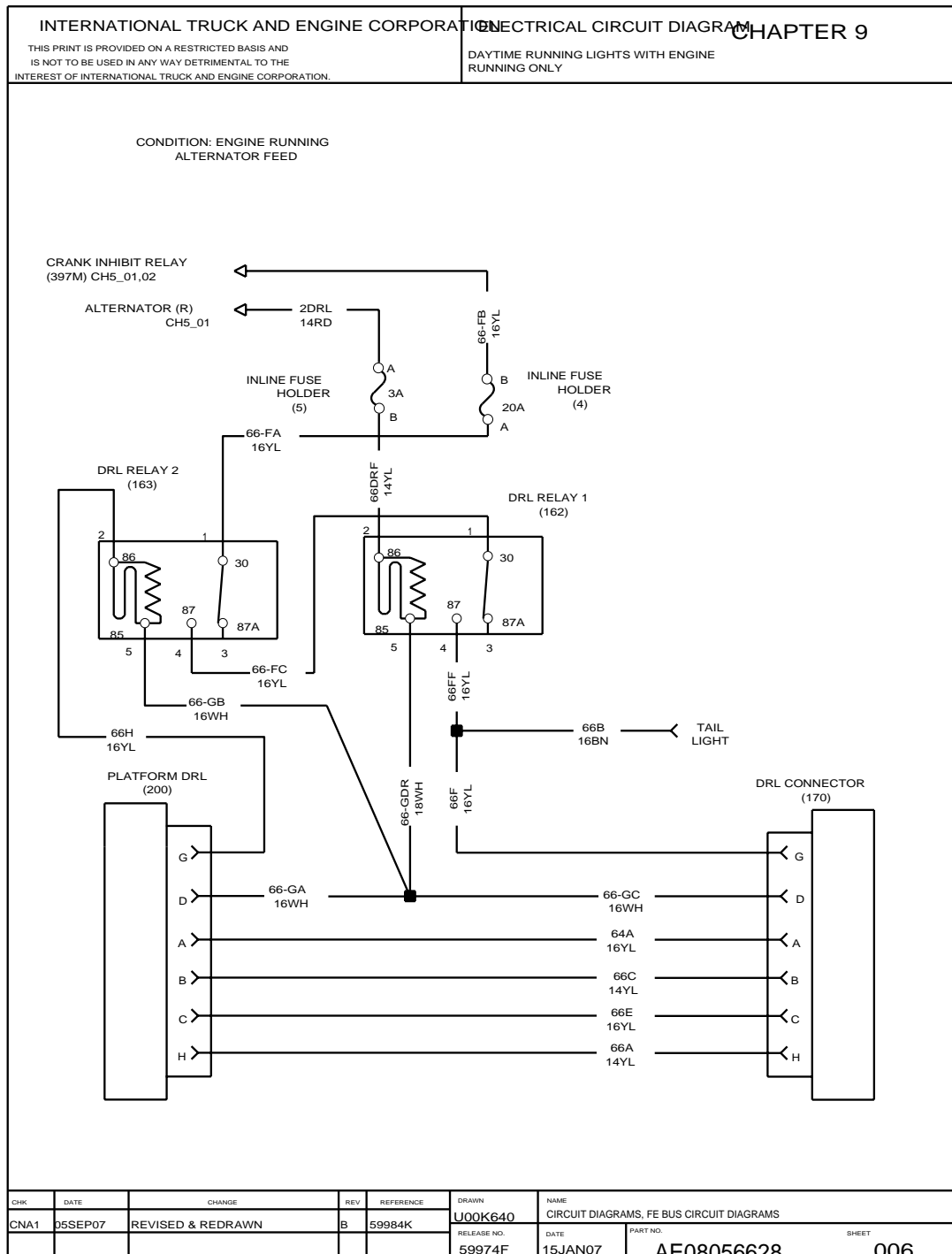


Figure 60 Daytime Running Lights with Engine Running Only

9.7. SPECIAL LIGHTING, P. 7

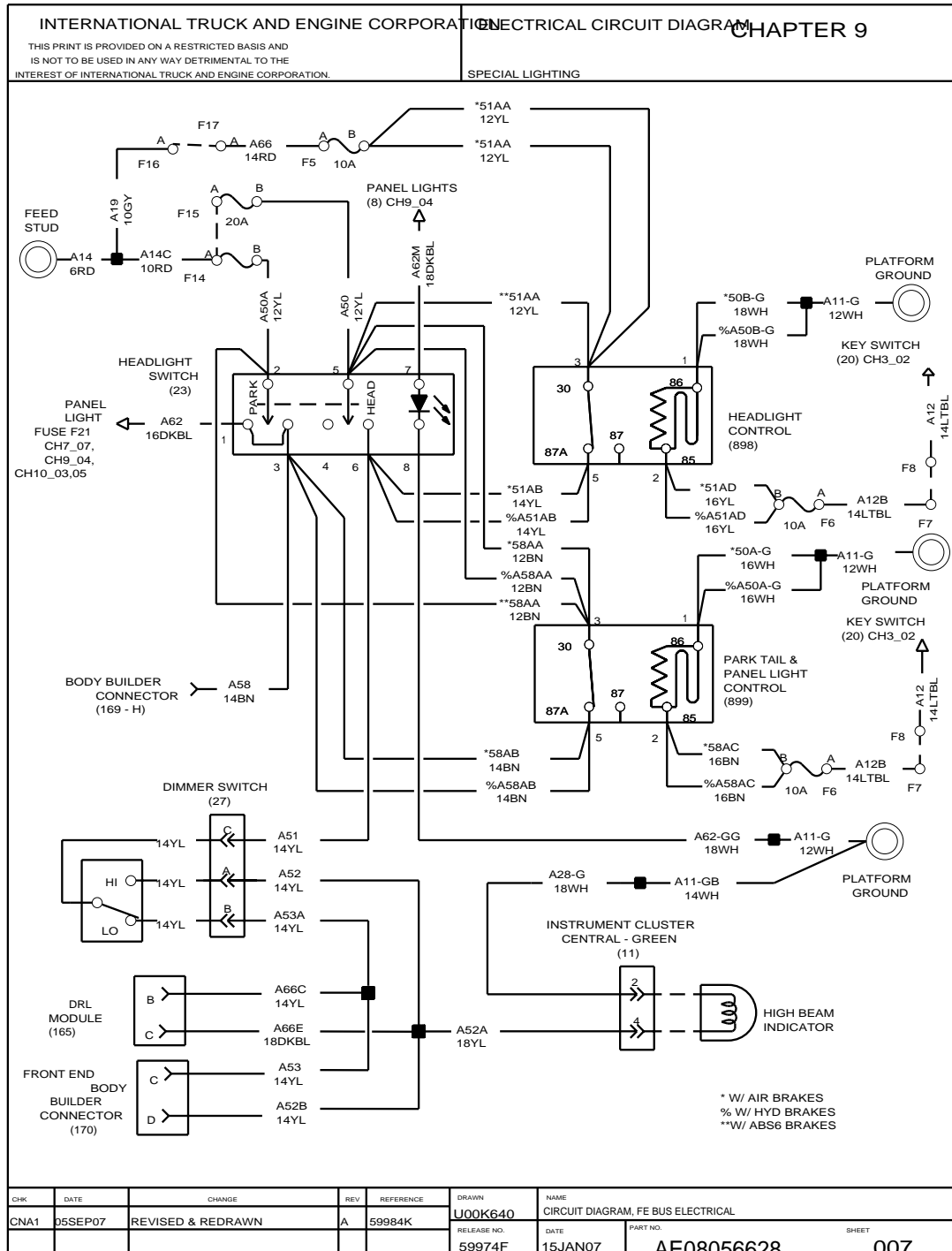


Figure 61 Special Lighting

10. ELECTRONIC CONTROL (CHAPTER 10)

10.1. ECM POWER / GROUND SYSTEMS WITH I6 ENGINE, P. 1

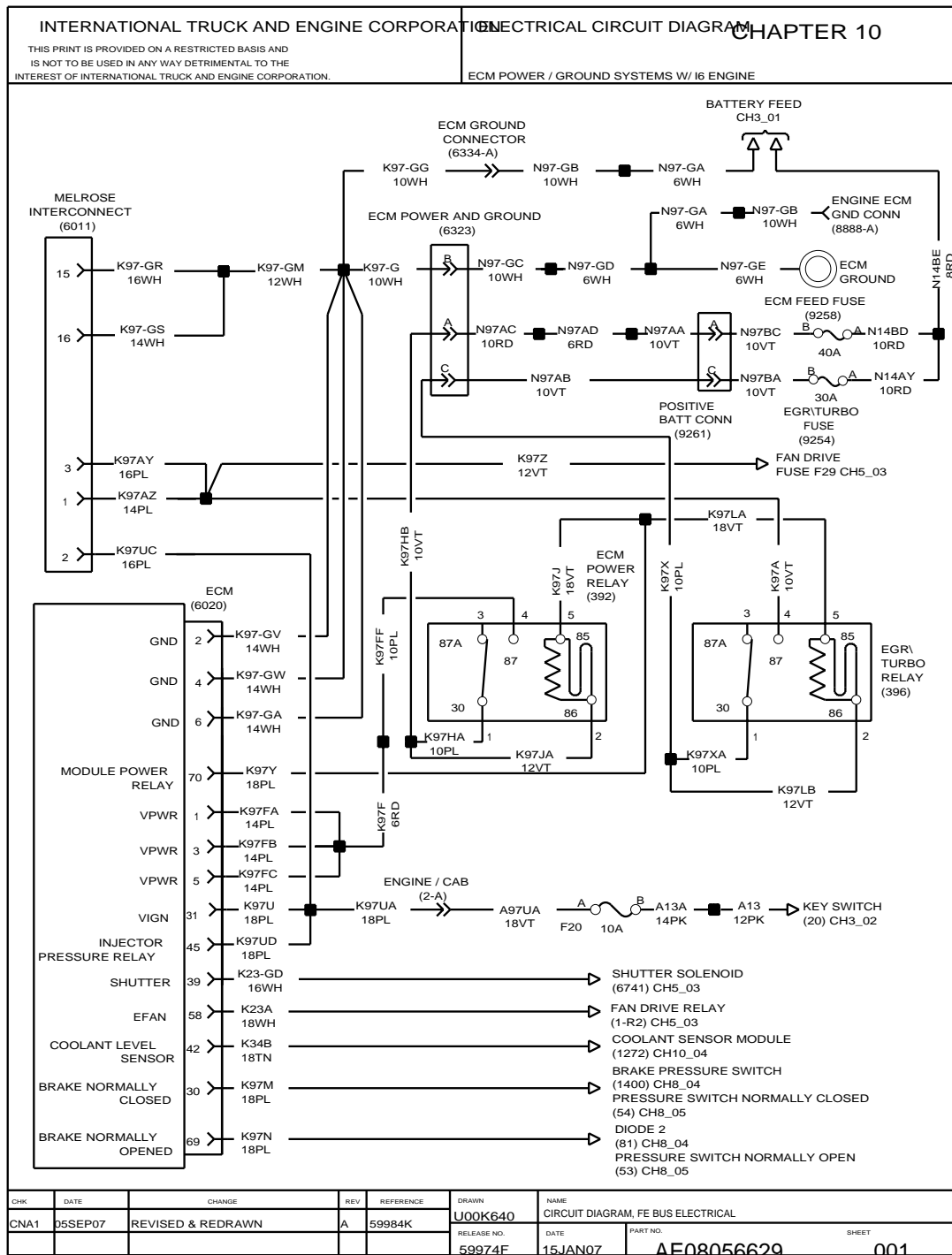


Figure 62 ECM Power / Ground Systems with I6 Engine

10.2. AMBIENT AIR TEMP, APS AND AFTERTREATMENT SYSTEM, P. 2

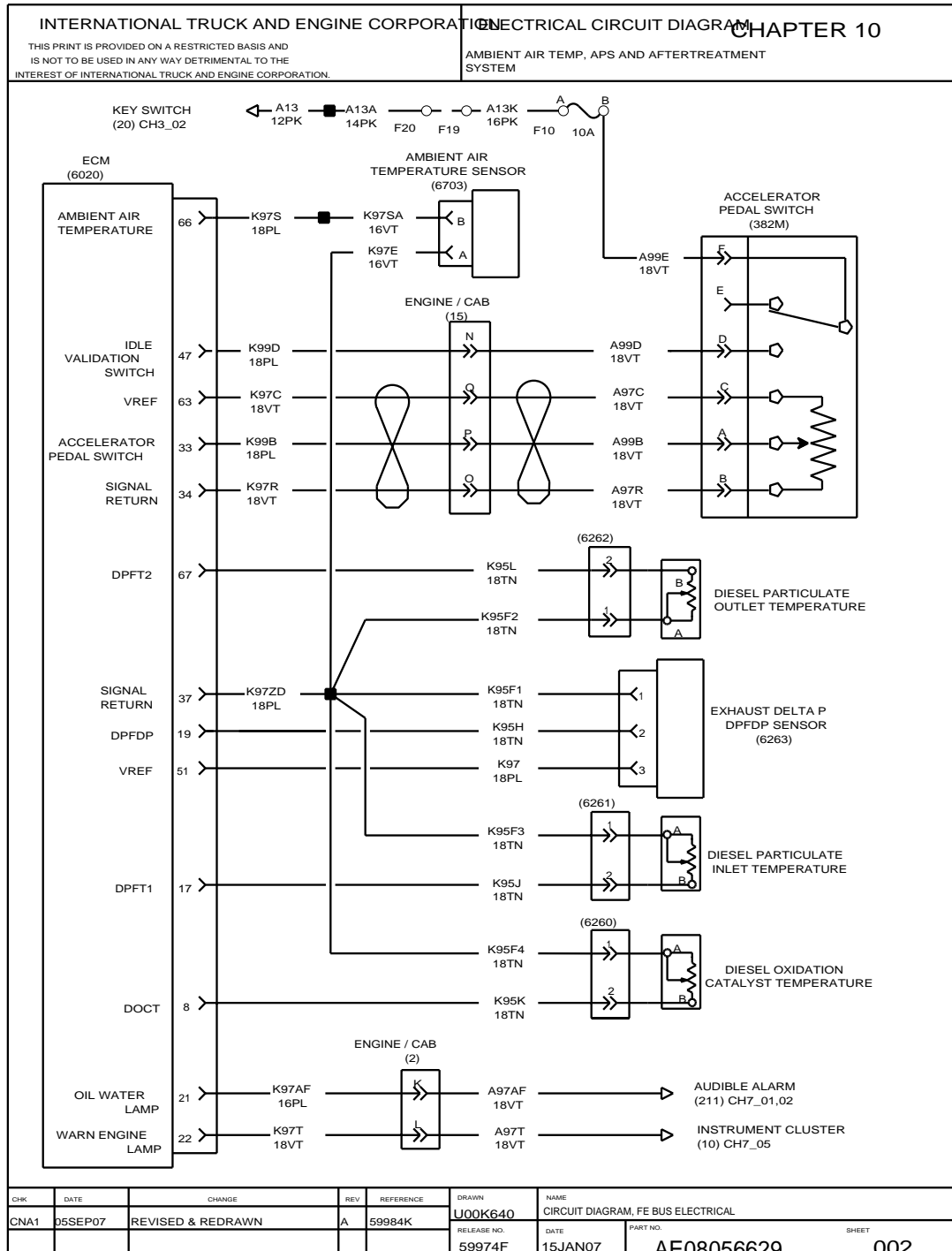
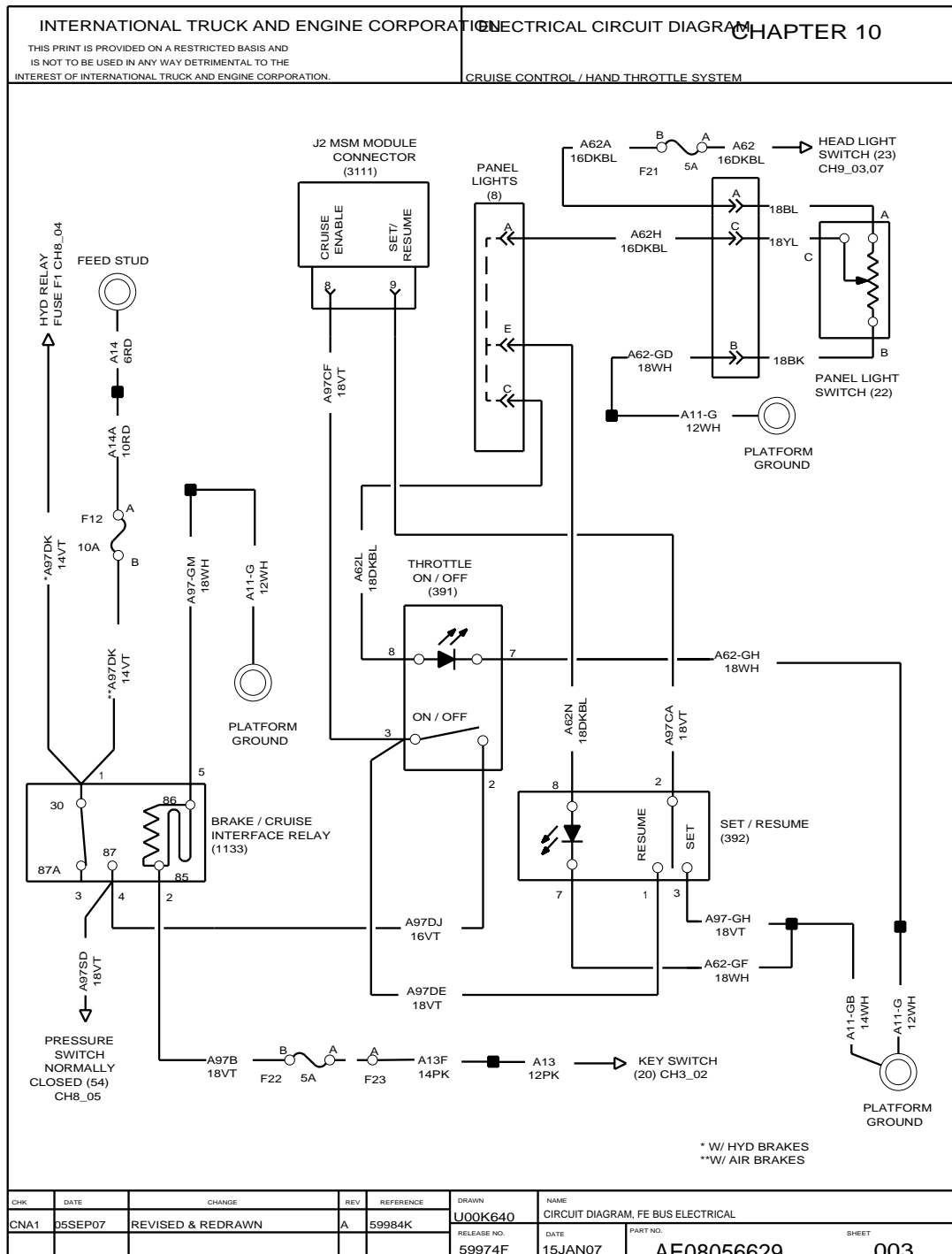


Figure 63 Ambient Air Temp, APS and Aftertreatment System



10.4. COOLANT SENSOR MODULE, P. 4

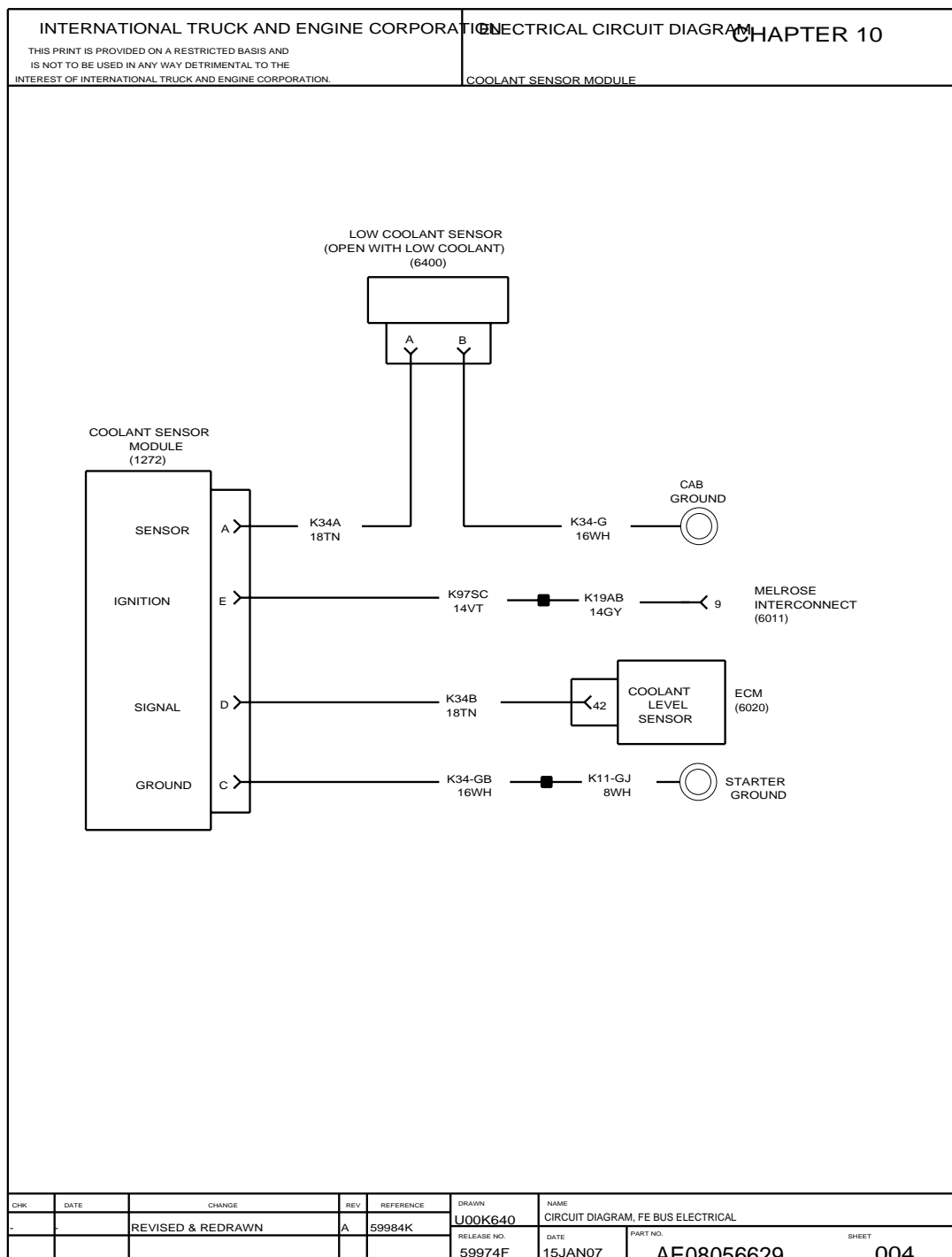


Figure 65 Coolant Sensor Module

10.5. EXHAUST / COMPRESSION BRAKE AND EXHAUST BRAKE ONLY, P. 5

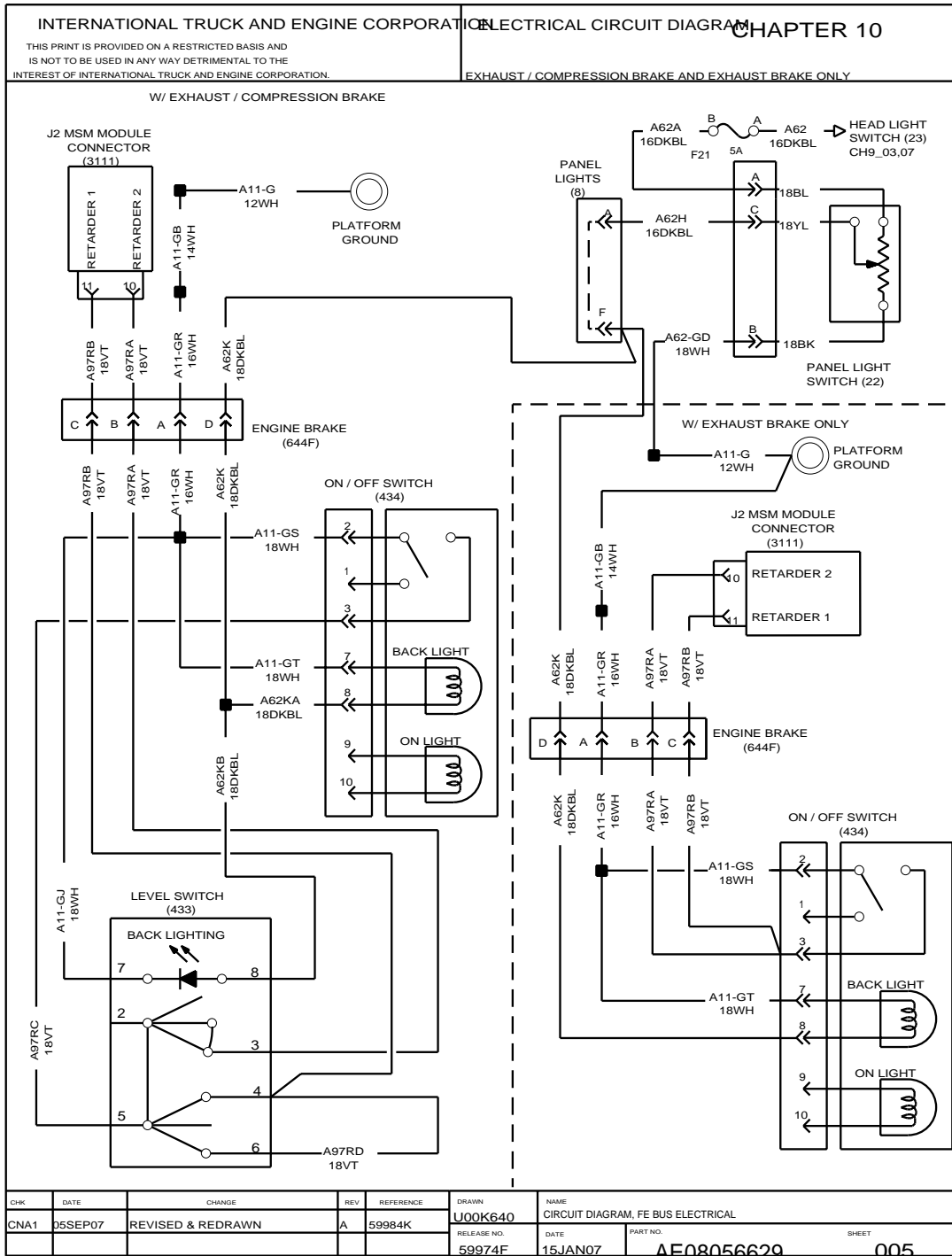


Figure 66 Exhaust / Compression Brake and Exhaust Brake Only

11. CONNECTOR BODY COMPOSITES (CHAPTER 11)

11.1. CONNECTOR COMPOSITES (1), P. 1

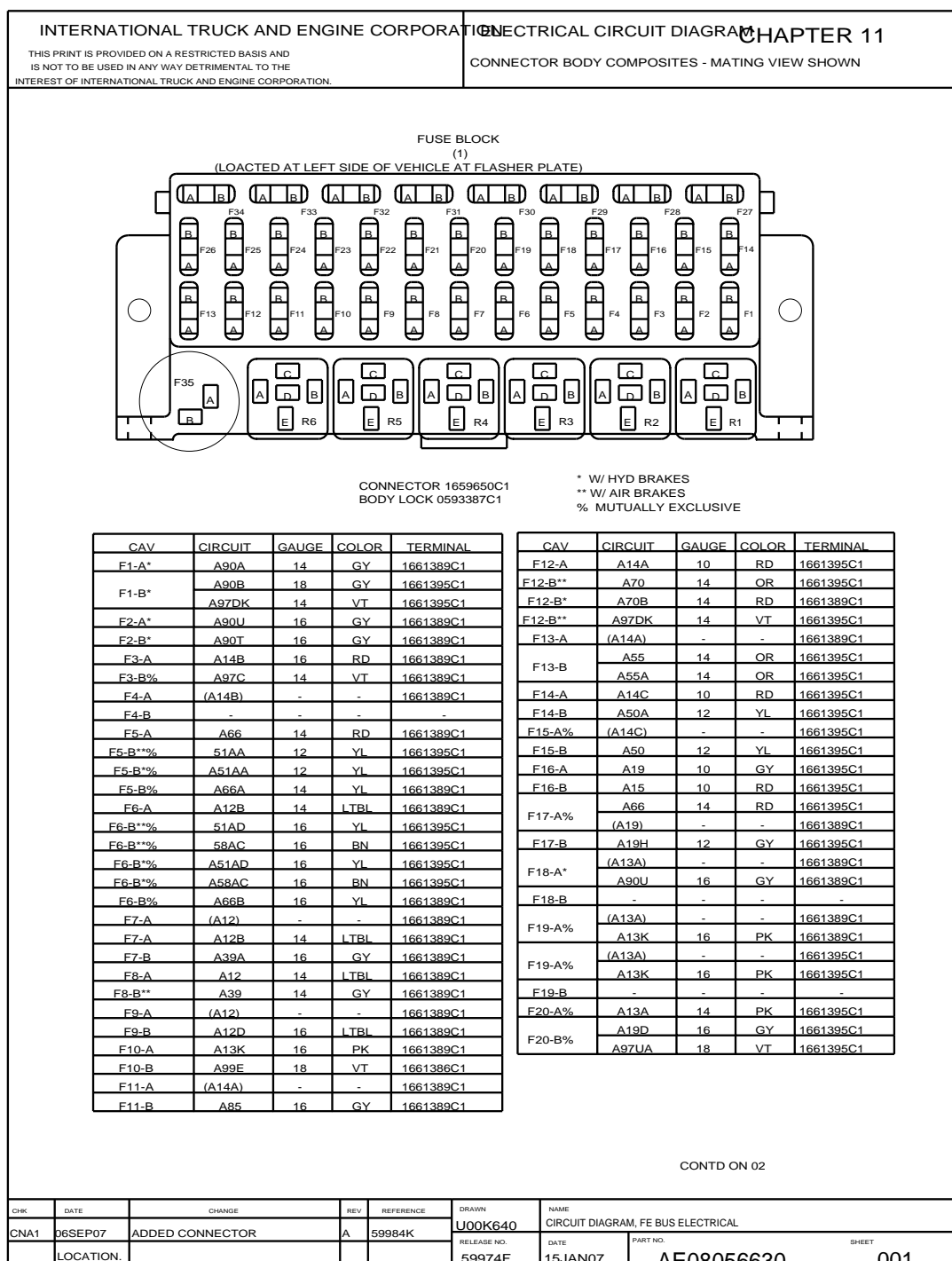


Figure 67 Connector Composites (1)

11.2. CONNECTOR COMPOSITE (1), P. 2

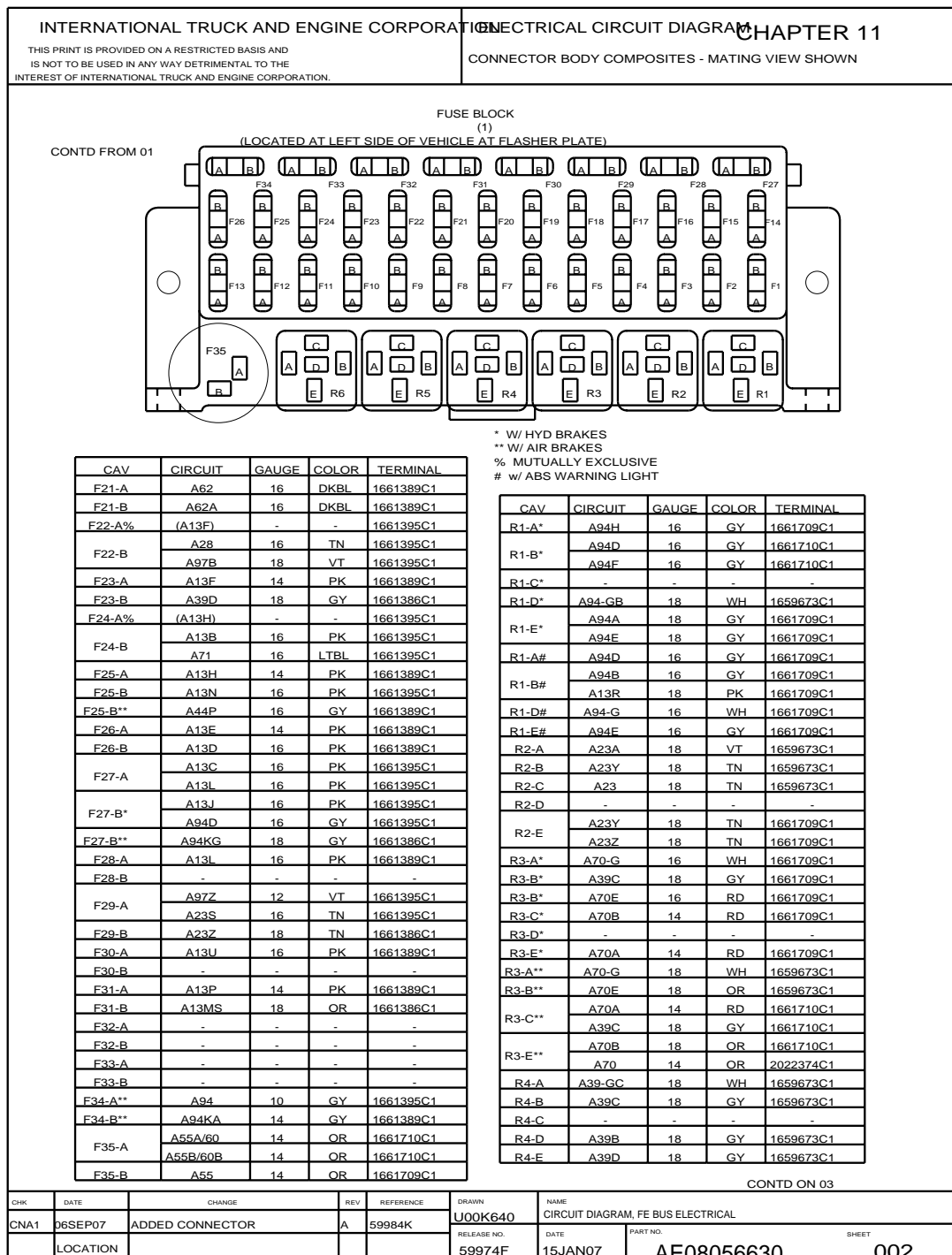


Figure 68 Connector Composite (1)

11.3. CONNECTOR COMPOSITE (1), P. 3

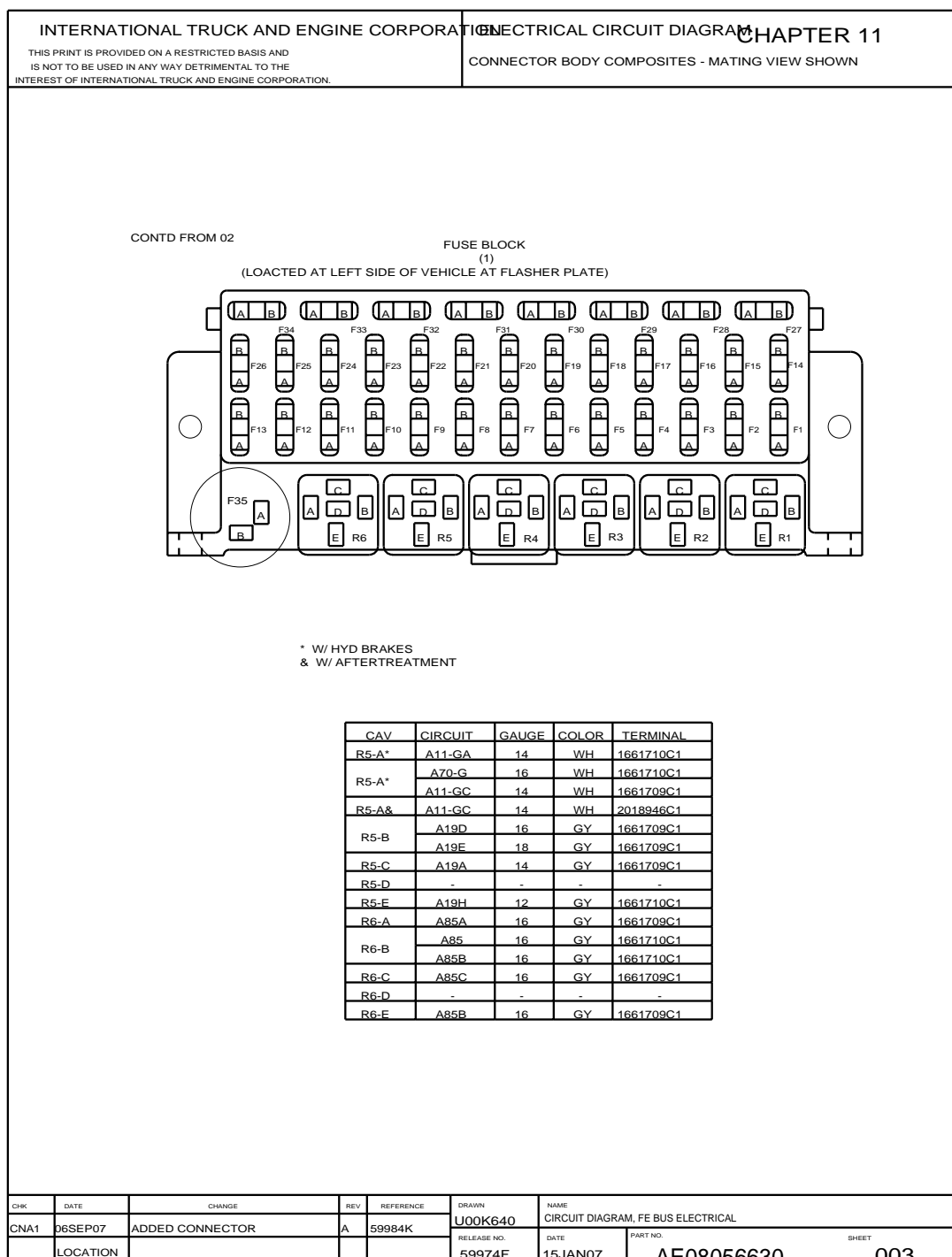


Figure 69 Connector Composite (1)

11.4. CONNECTOR COMPOSITE (2), P. 4

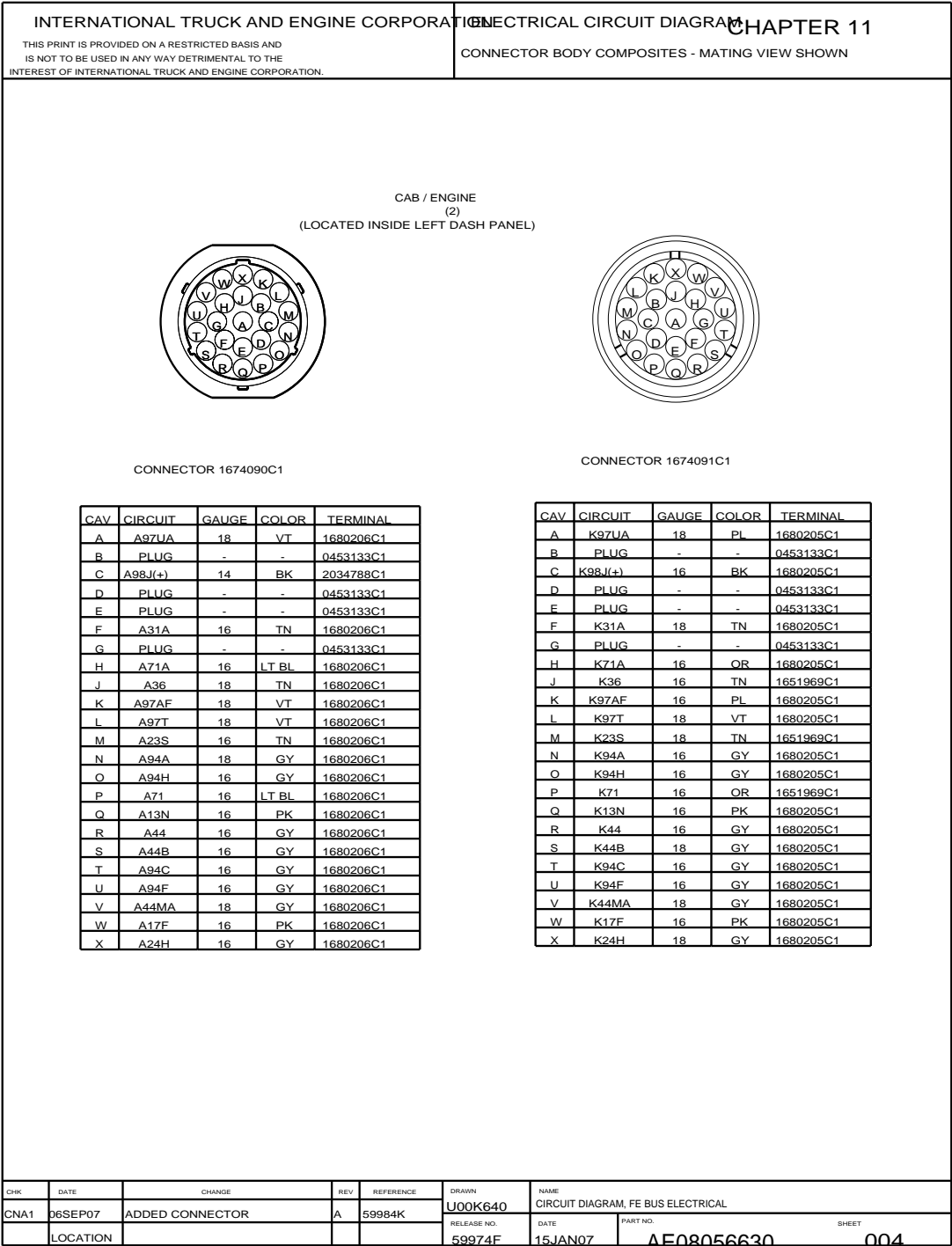


Figure 70 Connector Composite (2)

11.5. CONNECTOR COMPOSITE (2), P. 5

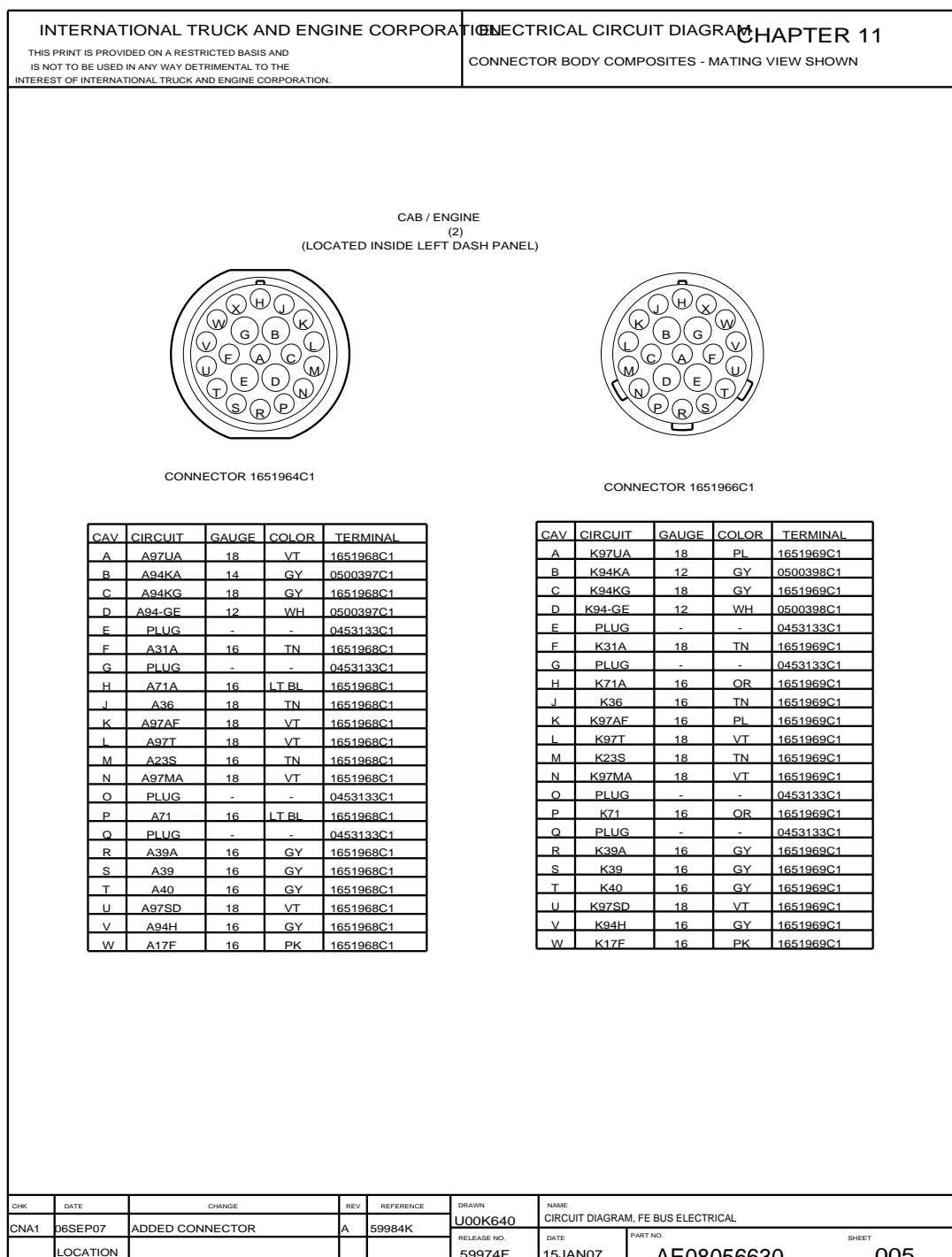


Figure 71 Connector Composite (2)

11.6. CONNECTOR COMPOSITES (2), (2A), (3), (4), P. 6

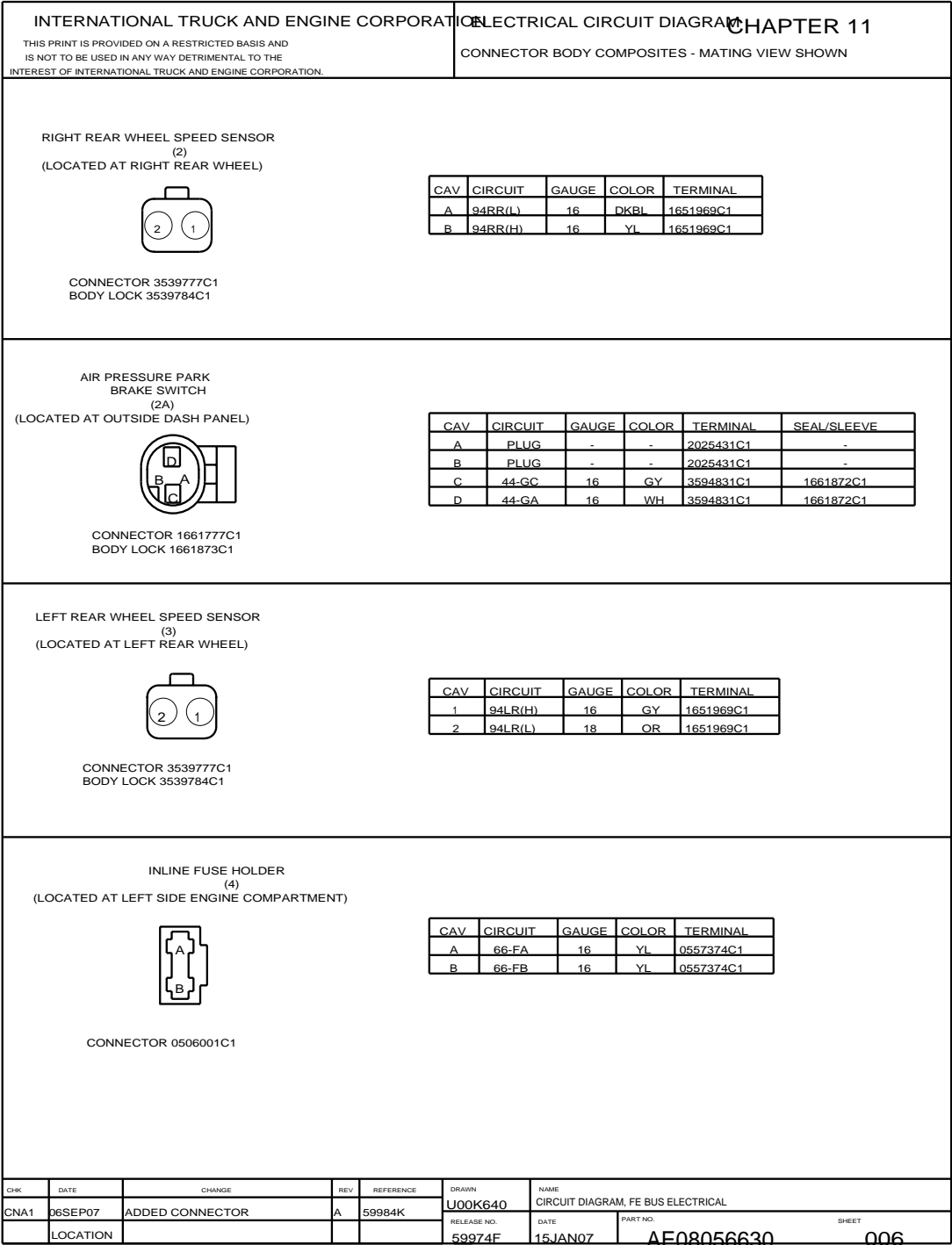
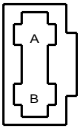


Figure 72 Connector Composites (2), (2A), (3), (4)

11.7. CONNECTOR COMPOSITES (5), (7), (8), P. 7

| | | | | | | | |
|--|--|--|--|---|--|--|--|
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | |
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | |

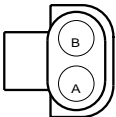
IN LINE FUSE HOLDER
(5)
(LOCATED AT LEFT SIDE ENGINE COMPARTMENT)



CONNECTOR 0892136C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|-----------|
| A | 2DRL | 14 | RD | 0557374C1 |
| B | 66DRF | 14 | YL | 0557374C1 |

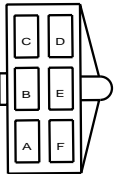
AUTO XMSN LIGHT
(7)
(LOCATED INSIDE CENTER DASH PANEL)



CONNECTOR 0587568C91

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| A | A62E | 18 | DKBL | 0587576C1 | 1652325C1 |
| B | A62-GE | 18 | WH | 0587576C1 | 1652325C1 |

PANEL LIGHTS
(8)
(LOCATED INSIDE CENTER DASH PANEL)



CONNECTOR 0892136C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|-----------|
| A | A62H | 16 | DKBL | 0879633R1 |
| | A62J | 16 | DKBL | 0879633R1 |
| B | A62E | 18 | DKBL | 0333736C1 |
| | A92A | 18 | TN | 0333736C1 |
| C | A62D | 18 | DKBL | 0333736C1 |
| | A62L | 18 | DKBL | 0333736C1 |
| D | A62B | 18 | DKBL | 0333736C1 |
| | A62C | 18 | DKBL | 0333736C1 |
| E | A62M | 18 | DKBL | 0333736C1 |
| | A62N | 18 | DKBL | 0333736C1 |
| F | A62K | 18 | DKBL | 0333736C1 |
| F* | A62R | 18 | DKBL | 0879632R1 |

* W/ AFTERTREATMENT

| | | | | | | | |
|------|----------|-----------------|-----|-----------|-------------|------------------------------------|----------------|
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | |
| | LOCATION | | | | RELEASE NO. | DATE | PART NO. SHEET |
| | | | | | 59974F | 15 JAN 07 | AE08056630 007 |

Figure 73 Connector Composites (5), (7), (8)

11.8. CONNECTOR COMPOSITES (9), (10), (11), P. 8

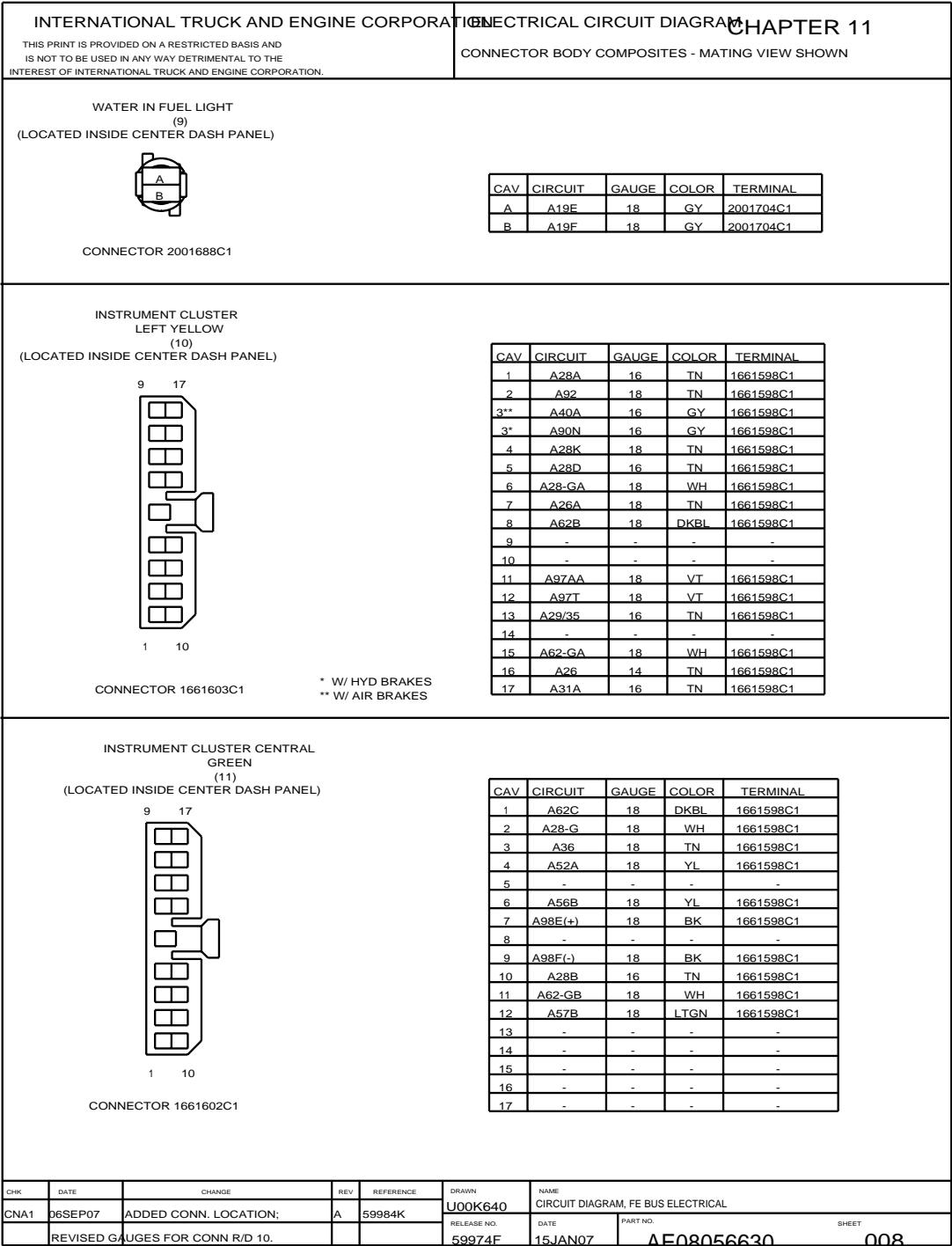


Figure 74 Connector Composites (9), (10), (11)

11.9. CONNECTOR COMPOSITES (12), (13), P. 9

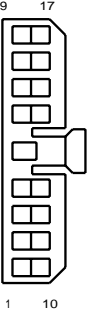
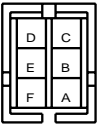
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | CONNECTOR BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>INSTRUMENT CLUSTER RIGHT - NATURAL (12) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 1661601C1</p> | | | | <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>A62D</td><td>18</td><td>DKBL</td><td>1661598C1</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3</td><td>A28-GB</td><td>18</td><td>WH</td><td>1661598C1</td></tr><tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td>A97AE</td><td>18</td><td>VT</td><td>1661598C1</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>A28C</td><td>16</td><td>TN</td><td>1661598C1</td></tr><tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>10</td><td>A62-GC</td><td>18</td><td>WH</td><td>1661598C1</td></tr><tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>13</td><td>A28H</td><td>18</td><td>TN</td><td>1661598C1</td></tr><tr><td>14</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>15</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>16</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>17**</td><td>44</td><td>18</td><td>GY</td><td>1661598C1</td></tr><tr><td>17*</td><td>A44A</td><td>16</td><td>RD</td><td>1661598C1</td></tr></tbody></table> <p>* W/ HYD BRAKES ** W/ AIR BRAKES</p> | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | A62D | 18 | DKBL | 1661598C1 | 2 | - | - | - | - | 3 | A28-GB | 18 | WH | 1661598C1 | 4 | - | - | - | - | 5 | A97AE | 18 | VT | 1661598C1 | 6 | - | - | - | - | 7 | - | - | - | - | 8 | A28C | 16 | TN | 1661598C1 | 9 | - | - | - | - | 10 | A62-GC | 18 | WH | 1661598C1 | 11 | - | - | - | - | 12 | - | - | - | - | 13 | A28H | 18 | TN | 1661598C1 | 14 | - | - | - | - | 15 | - | - | - | - | 16 | - | - | - | - | 17** | 44 | 18 | GY | 1661598C1 | 17* | A44A | 16 | RD | 1661598C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A62D | 18 | DKBL | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A28-GB | 18 | WH | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A97AE | 18 | VT | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A28C | 16 | TN | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | A62-GC | 18 | WH | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | A28H | 18 | TN | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17** | 44 | 18 | GY | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17* | A44A | 16 | RD | 1661598C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TURN SIGNAL SWITCH (13) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 1661200C1</p> | | | | <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>A</td><td>A57A</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr><tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>C</td><td>A55A/60</td><td>14</td><td>QR</td><td>3566715C1</td></tr><tr><td>D</td><td>A56</td><td>14</td><td>YL</td><td>3566715C1</td></tr><tr><td>E</td><td>A56A</td><td>14</td><td>YL</td><td>3566715C1</td></tr><tr><td>F</td><td>A57</td><td>14</td><td>LTGN</td><td>3566715C1</td></tr></tbody></table> | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A57A | 18 | LTGN | 1661208C1 | B | - | - | - | - | C | A55A/60 | 14 | QR | 3566715C1 | D | A56 | 14 | YL | 3566715C1 | E | A56A | 14 | YL | 3566715C1 | F | A57 | 14 | LTGN | 3566715C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A57A | 18 | LTGN | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A55A/60 | 14 | QR | 3566715C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | A56 | 14 | YL | 3566715C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | A56A | 14 | YL | 3566715C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | A57 | 14 | LTGN | 3566715C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | SHEET | 009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 75 Connector Composites (12), (13)

11.10. CONNECTOR COMPOSITES (15), P. 10

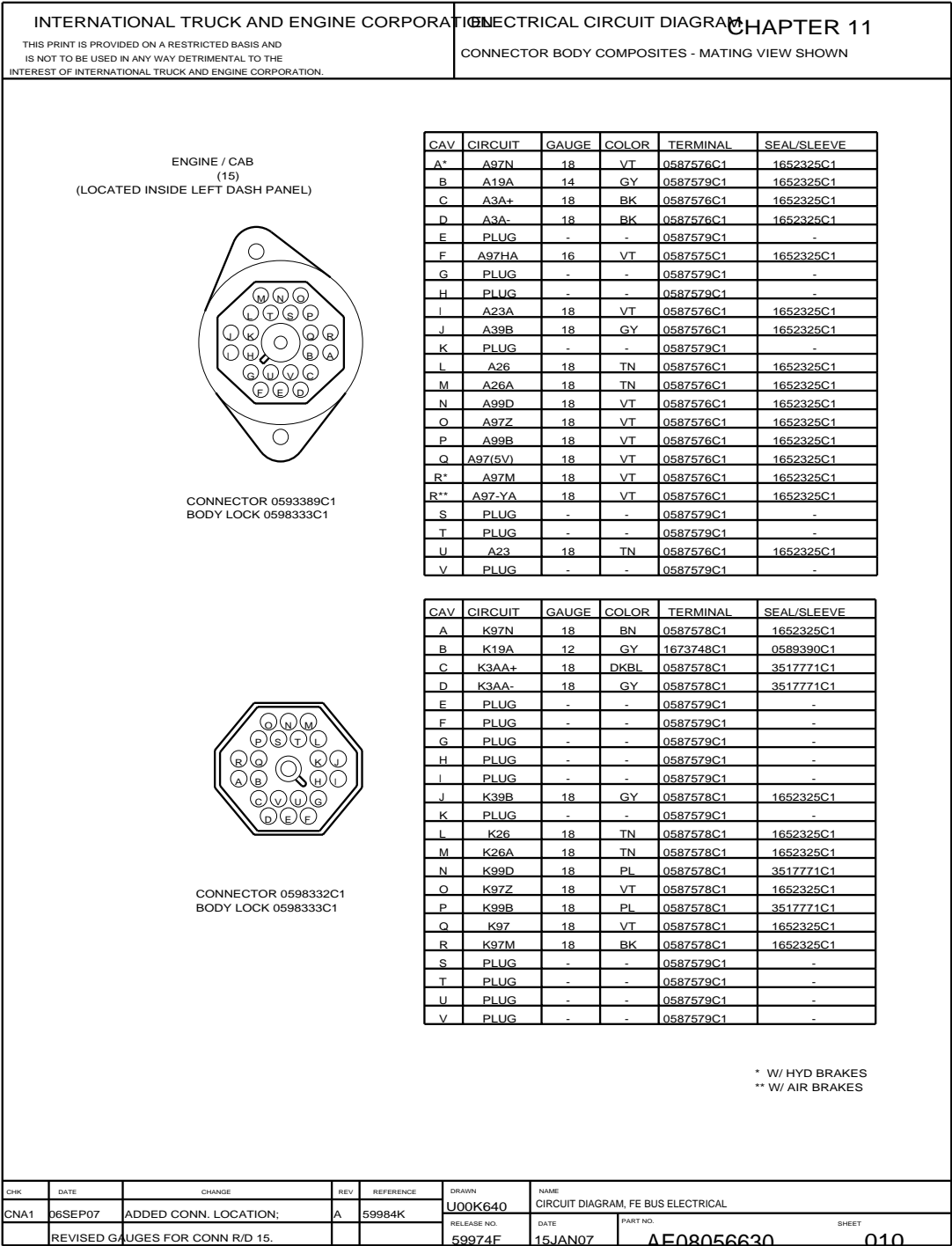


Figure 76 Connector Composites (15)

11.11. CONNECTOR COMPOSITES (20), (22), (23), P. 11

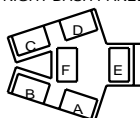
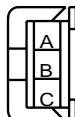
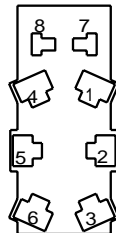
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|---|--------------------|------------------------------------|---------|--------|-------|-----------|-------|------|------|---------|-----------------|----|--------|---------|------------------------------------|-----------|----------|------|----|------|--------------------|----------------|-------|----|----|-----------|----|-----|---------------------|----|-----------|---|------|----|----|-----------|-------|-----|----|----|-----------|--|-----|----|----|-----------|------|-------|----|----|-----------|---|---|---|---|---|----|-----|----|----|-----------|--|-----|----|----|-----------|------|------|----|----|-----------|--|-----|----|----|-----------|-------|------|----|----|-----------|--|-----|----|----|-----------|------|-------|----|----|-----------|----|-----|----|----|-----------|--|------|----|----|-----------|-------|-----|----|----|-----------|--|-----|----|----|-----------|------|-------|----|----|-----------|---|------|----|------|-----------|---|--------|----|----|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p style="text-align: center;">KEY SWITCH (20) (LOCATED INSIDE RIGHT DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 0293347C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A13</td><td>12</td><td>PK</td><td>1660577C1</td></tr> <tr><td>B</td><td>A13E</td><td>14</td><td>PK</td><td>0188396R1</td></tr> <tr><td>C</td><td>A12</td><td>14</td><td>LTBL</td><td>0188396R1</td></tr> <tr><td>D</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>A15</td><td>10</td><td>RD</td><td>1660025C1</td></tr> <tr><td>F</td><td>A17</td><td>16</td><td>PK</td><td>0188396R1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A13 | 12 | PK | 1660577C1 | B | A13E | 14 | PK | 0188396R1 | C | A12 | 14 | LTBL | 0188396R1 | D | - | - | - | - | E | A15 | 10 | RD | 1660025C1 | F | A17 | 16 | PK | 0188396R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A13 | 12 | PK | 1660577C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A13E | 14 | PK | 0188396R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A12 | 14 | LTBL | 0188396R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| F | A17 | 16 | PK | 0188396R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p style="text-align: center;">PANEL LIGHT SWITCH (22) (LOCATED INSIDE LEFT DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 1661198C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A62A</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>B</td><td>A62-GD</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62H</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A62A | 16 | DKBL | 1661209C1 | B | A62-GD | 18 | WH | 1661208C1 | C | A62H | 16 | DKBL | 1661209C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| B | A62-GD | 18 | WH | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A62H | 16 | DKBL | 1661209C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | A62M | 18 | DKBL | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A62-GG | 18 | WH | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>CNA1</td> <td>05SEP07</td> <td>ADDED CONNECTOR</td> <td>A</td> <td>59984K</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td> </tr> <tr> <td></td> <td>LOCATION</td> <td></td> <td></td> <td></td> <td>RELEASE NO. 59974F</td> <td>DATE 15 JAN 07</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO. AE08056630</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET 011</td> </tr> </tbody> </table> | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | LOCATION | | | | RELEASE NO. 59974F | DATE 15 JAN 07 | | | | | | | PART NO. AE08056630 | | | | | | | SHEET 011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | LOCATION | | | | RELEASE NO. 59974F | DATE 15 JAN 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | PART NO. AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | SHEET 011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 77 Connector Composites (20), (22), (23)

11.12. CONNECTOR COMPOSITES (27), (35X3), (37), (38M), P. 12

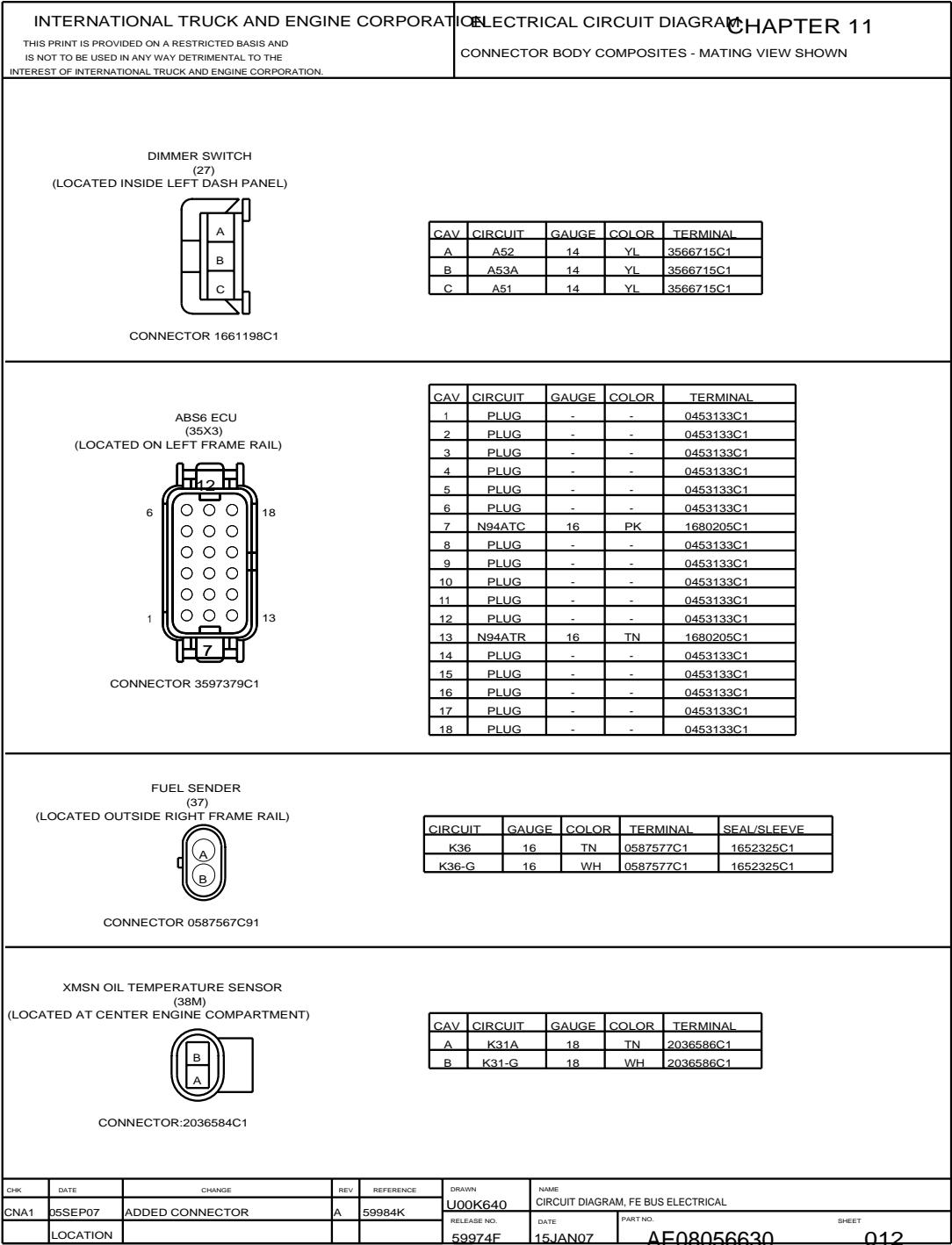


Figure 78 Connector Composites (27), (35x3), (37), (38M)

11.13. CONNECTOR COMPOSITES (40), (41), P. 13

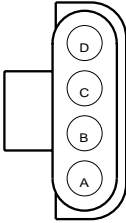
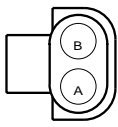
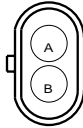
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|---|-------------|------------------------------------|---------|-------|-------|----------|-------------|---|--------|----|----|-----------|-----------|---|------|----|----|-----------|-----------|-----|---------|-------|-------|-----------|-------------|---|-------|----|----|-----------|-----------|---|------|----|----|-----------|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="text-align: center; margin-bottom: 10px;">AIR DRYER / DRAIN VALVE (40) (LOCATED AT CENTER ENGINE COMPARTMENT)</div> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"></div><div><table border="1" style="font-size: x-small; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr></thead><tbody><tr><td>A</td><td>K39-GA</td><td>16</td><td>WH</td><td>0587575C1</td><td>1652325C1</td></tr><tr><td>B</td><td>K39</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr><tr><td>C</td><td>K39A</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr><tr><td>D</td><td>K39-G</td><td>16</td><td>WH</td><td>0587575C1</td><td>1652325C1</td></tr></tbody></table></div></div> <div style="text-align: center; margin-top: 10px;">CONNECTOR 0587572C91</div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K39-GA | 16 | WH | 0587575C1 | 1652325C1 | B | K39 | 16 | GY | 0587575C1 | 1652325C1 | C | K39A | 16 | GY | 0587575C1 | 1652325C1 | D | K39-G | 16 | WH | 0587575C1 | 1652325C1 | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K39-GA | 16 | WH | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K39 | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | K39A | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | K39-G | 16 | WH | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="text-align: center; margin-bottom: 10px;">ENGINE / XMSN PASSTHRU (41) (LOCATED AT CENTER ENGINE COMPARTMENT)</div> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"></div><div><table border="1" style="font-size: x-small; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr></thead><tbody><tr><td>A</td><td>K71</td><td>16</td><td>OR</td><td>0587575C1</td><td>1652325C1</td></tr><tr><td>B</td><td>K71A</td><td>16</td><td>OR</td><td>0587575C1</td><td>1652325C1</td></tr></tbody></table></div></div> <div style="text-align: center; margin-top: 10px;">CONNECTOR 0587568C91</div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"><div style="text-align: center;"></div><div><table border="1" style="font-size: x-small; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr></thead><tbody><tr><td>A</td><td>K71</td><td>16</td><td>OR</td><td>0587577C1</td><td>1652325C1</td></tr><tr><td>B</td><td>K71A</td><td>16</td><td>OR</td><td>0587577C1</td><td>1652325C1</td></tr></tbody></table></div></div> <div style="text-align: center; margin-top: 10px;">CONNECTOR 0587567C91</div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K71 | 16 | OR | 0587575C1 | 1652325C1 | B | K71A | 16 | OR | 0587575C1 | 1652325C1 | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K71 | 16 | OR | 0587577C1 | 1652325C1 | B | K71A | 16 | OR | 0587577C1 | 1652325C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K71 | 16 | OR | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K71A | 16 | OR | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K71 | 16 | OR | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K71A | 16 | OR | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AE08056630 | | | | | | SHEET 013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 79 Connector Composites (40), (41)

11.14. CONNECTOR COMPOSITES (44M), (49), (50), (53), P. 14

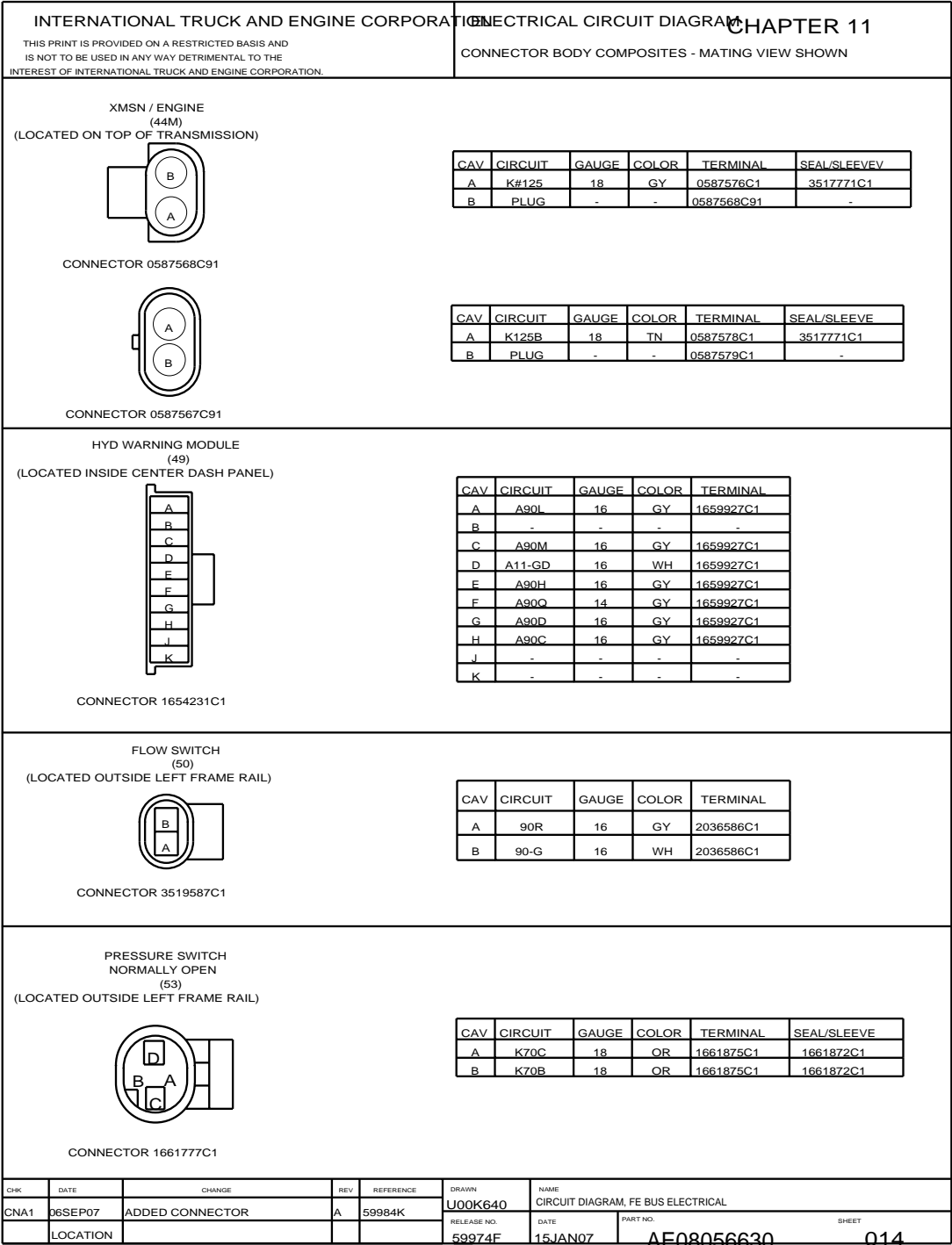


Figure 80 Connector Composites (44M), (49), (50), (53)

11.15. CONNECTOR COMPOSITES (54), (57), (69) (80), (81), P. 15

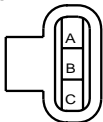
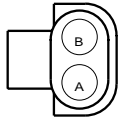
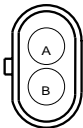

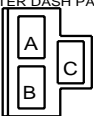
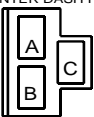
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|-------------------------------|-------|--|-------------|------------------------------------|------------|-----|---------|-------|-------|----------|-------------|------|------|----|-----------|-----------|-----------|----|-----------|-----------|-------|-----------|-----------|-----------|---------|-------|-------|-----------|-------------|------|-----|----|-----------|-----------|-----------|---|------|---|---|-----------|---|
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| PRESSURE SWITCH (54) (LOCATED OUTSIDE LEFT FRAME RAIL)  CONNECTOR 1664245C1 BODY LOCK 1664408C1 | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL</th></tr> </thead> <tbody> <tr> <td>A</td><td>97MA</td><td>18</td><td>GN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>97SD</td><td>18</td><td>YL</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>C</td><td>97M</td><td>18</td><td>BN</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL | A | 97MA | 18 | GN | 2033819C1 | 1652325C1 | B | 97SD | 18 | YL | 2033819C1 | 1652325C1 | C | 97M | 18 | BN | 2033819C1 | 1652325C1 | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 97MA | 18 | GN | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 97SD | 18 | YL | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 97M | 18 | BN | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STOP LIGHT SWITCH (57) (LOCATED OUTSIDE LEFT FRAME RAIL)  CONNECTOR 0587568C91  CONNECTOR 0587567C91 | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>70C</td><td>16</td><td>RD</td><td>0587575C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>70C</td><td>16</td><td>RD</td><td>0587577C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | 70C | 16 | RD | 0587575C1 | 1652325C1 | B | PLUG | - | - | 0587579C1 | - | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | 70C | 16 | RD | 0587577C1 | 1652325C1 | B | PLUG | - | - | 0587579C1 | - |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 70C | 16 | RD | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | PLUG | - | - | 0587579C1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 70C | 16 | RD | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | PLUG | - | - | 0587579C1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FUEL FILTER LIGHT (69) (LOCATED INSIDE CENTER DASH PANEL)  CONNECTOR 2001688C1 | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td>A</td><td>A19J</td><td>18</td><td>GY</td><td>2001704C1</td></tr> <tr> <td>B</td><td>A19K</td><td>18</td><td>GY</td><td>2001704C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A19J | 18 | GY | 2001704C1 | B | A19K | 18 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A19J | 18 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A19K | 18 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIODE 1 (80) (LOCATED INSIDE CENTER DASH PANEL)  CONNECTOR 0598839C1 | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td rowspan="2">A</td><td>A70D</td><td>18</td><td>RD</td><td>0879633R1</td></tr> <tr> <td>A70E</td><td>16</td><td>RD</td><td>0879633R1</td></tr> <tr> <td>B</td><td>A90TA</td><td>16</td><td>GY</td><td>0333733C1</td></tr> <tr> <td rowspan="2">C</td><td>A90H</td><td>16</td><td>GY</td><td>0879633R1</td></tr> <tr> <td>A90J</td><td>16</td><td>GY</td><td>0879633R1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A70D | 18 | RD | 0879633R1 | A70E | 16 | RD | 0879633R1 | B | A90TA | 16 | GY | 0333733C1 | C | A90H | 16 | GY | 0879633R1 | A90J | 16 | GY | 0879633R1 | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A70D | 18 | RD | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A70E | 16 | RD | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A90TA | 16 | GY | 0333733C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A90H | 16 | GY | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A90J | 16 | GY | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIODE 2 (81) (LOCATED INSIDE CENTER DASH PANEL)  CONNECTOR 0598839C1 | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td rowspan="2">A</td><td>A90D</td><td>16</td><td>GY</td><td>0879633R1</td></tr> <tr> <td>A90G</td><td>18</td><td>GY</td><td>0879633R1</td></tr> <tr> <td rowspan="2">B</td><td>A70F</td><td>18</td><td>RD</td><td>0879633R1</td></tr> <tr> <td>A90C</td><td>16</td><td>GY</td><td>0879633R1</td></tr> <tr> <td>C</td><td>A70D</td><td>18</td><td>RD</td><td>0333732C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A90D | 16 | GY | 0879633R1 | A90G | 18 | GY | 0879633R1 | B | A70F | 18 | RD | 0879633R1 | A90C | 16 | GY | 0879633R1 | C | A70D | 18 | RD | 0333732C1 | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A90D | 16 | GY | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A90G | 18 | GY | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A70F | 18 | RD | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A90C | 16 | GY | 0879633R1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A70D | 18 | RD | 0333732C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONN. LOCATION; | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | REVISED CHTS FOR CONN R/D 54. | | | 59974F | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 15 JAN 07 | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | SHEET | 015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 81 Connector Composites (54), (57), (69) (80), (81)

11.16. CONNECTOR COMPOSITES (82), (83), (83A), (84), P. 16

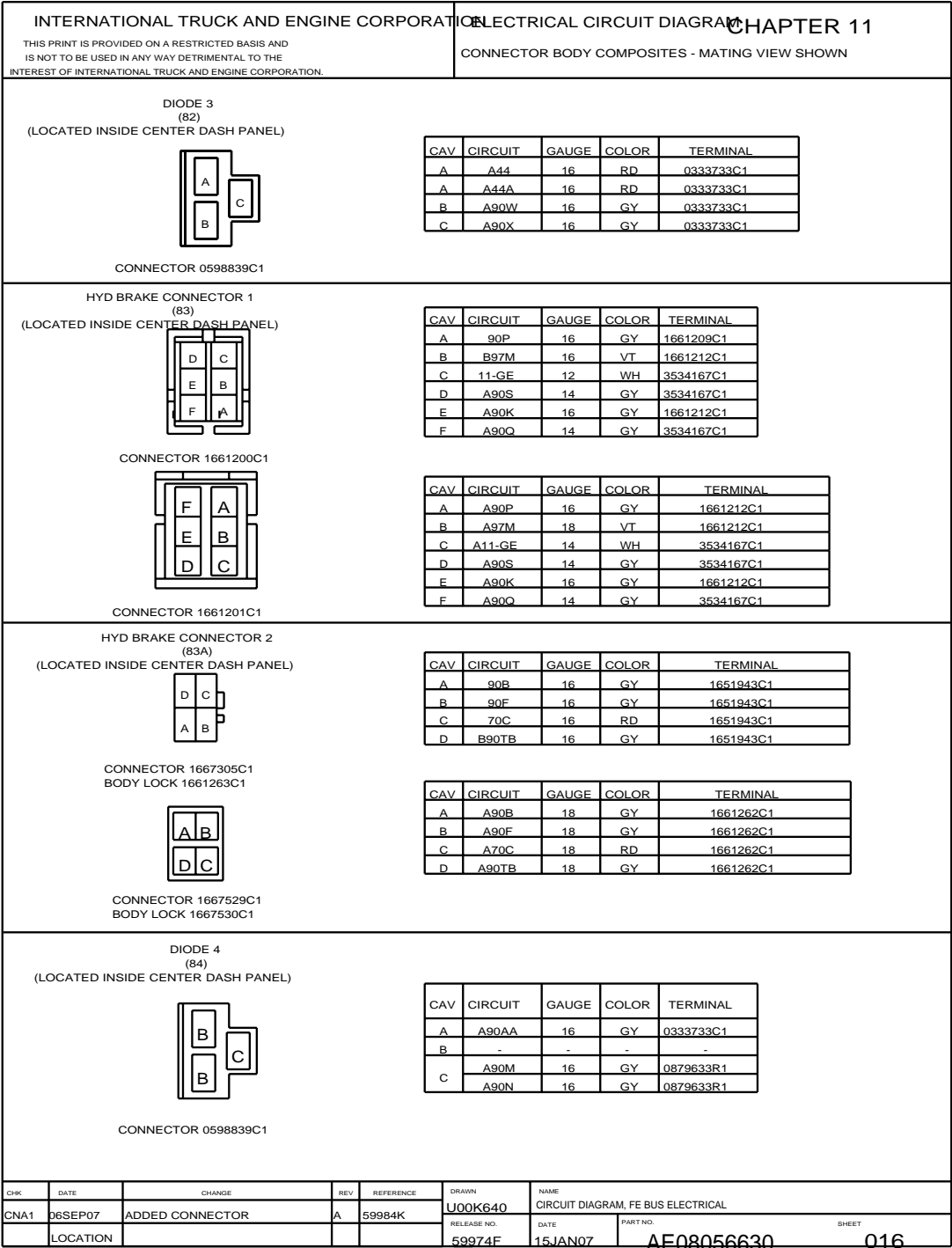


Figure 82 Connector Composites (82), (83), (83A), (84)

11.17. CONNECTOR COMPOSITES (85), (88A), (88B), P. 17

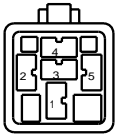
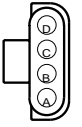
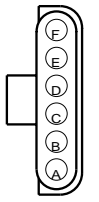
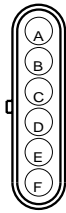
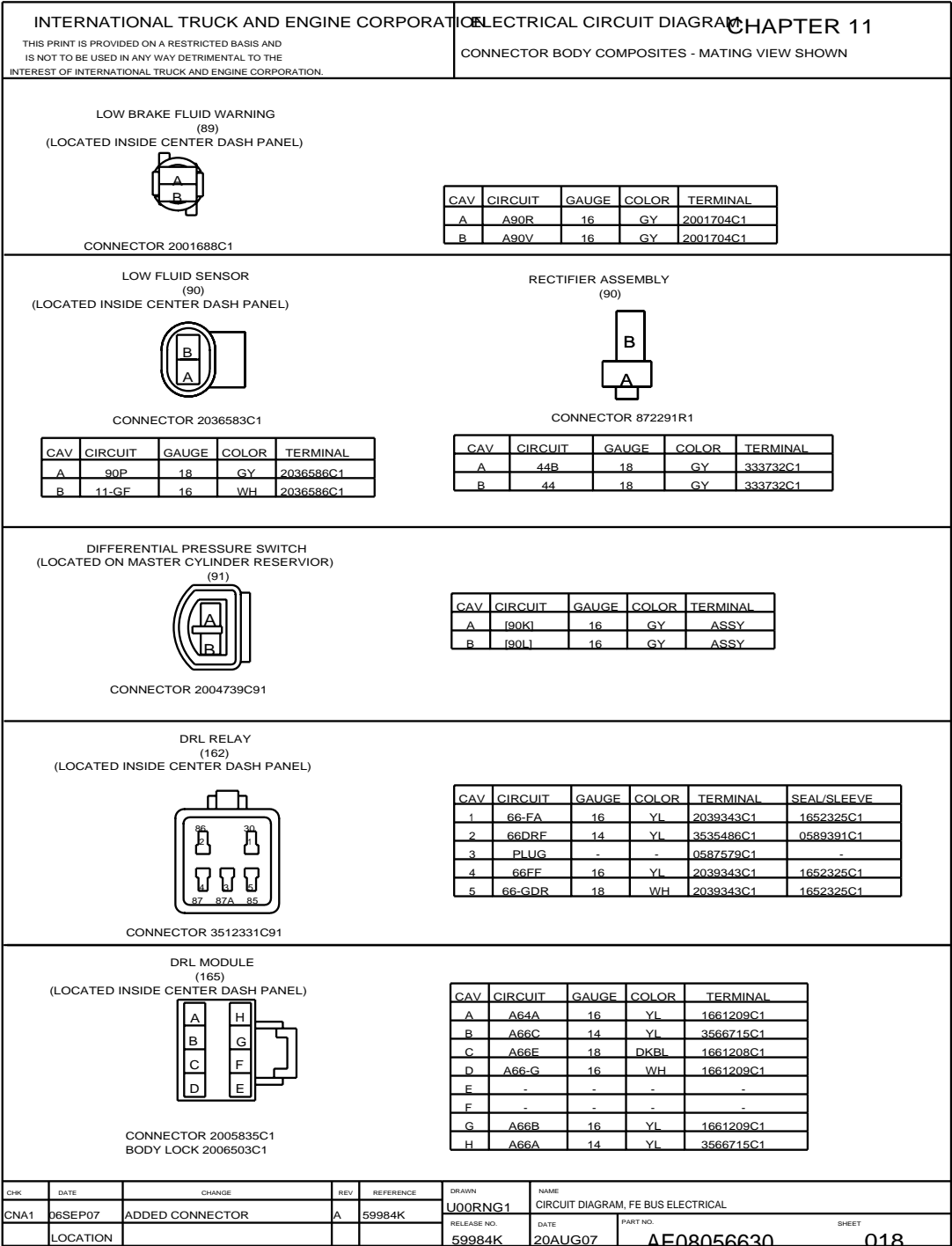
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|-----------------|-------|---|-------------|------------------------------------|---------|-------|-------|----------|-------------|-----|------|----|-----------|-----------|-----------|----|-------|-----------|----|-----------|-----------|---|-------|----|------|-----------|-----------|-----------|-----|------|----|-----------|-----------|---|-------|----|----|-----------|-----------|---|-----|----|----|-----------|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">HYD RELAY (85) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 1661747C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>A90</td><td>12</td><td>GY</td><td>1661708C1</td></tr> <tr><td>2</td><td>A90E</td><td>16</td><td>GY</td><td>1661707C1</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>A90Y</td><td>12</td><td>WH</td><td>1661708C1</td></tr> <tr><td>5</td><td>A90J</td><td>16</td><td>GY</td><td>1661707C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | A90 | 12 | GY | 1661708C1 | 2 | A90E | 16 | GY | 1661707C1 | 3 | - | - | - | - | 4 | A90Y | 12 | WH | 1661708C1 | 5 | A90J | 16 | GY | 1661707C1 | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A90 | 12 | GY | 1661708C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | A90E | 16 | GY | 1661707C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | A90Y | 12 | WH | 1661708C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A90J | 16 | GY | 1661707C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">HYD BOOSTER COMMON (88A) (LOCATED OUTSIDE LEFT FRAME RAIL)</p>  <p style="text-align: center;">CONNECTOR 0587572C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>90F</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>90B</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>N90TB</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>70C</td><td>16</td><td>RD</td><td>0587575C1</td><td>1652325C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | 90F | 16 | GY | 0587575C1 | 1652325C1 | B | 90B | 16 | GY | 0587575C1 | 1652325C1 | C | N90TB | 16 | GY | 0587575C1 | 1652325C1 | D | 70C | 16 | RD | 0587575C1 | 1652325C1 | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 90F | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 90B | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | N90TB | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 70C | 16 | RD | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">HYD BOOSTER COMMON (88B) (LOCATED OUTSIDE LEFT FRAME RAIL)</p>  <p style="text-align: center;">CONNECTOR 0587574C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N97M</td><td>16</td><td>VT</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>11-GE</td><td>12</td><td>WH</td><td>1673747C1</td><td>0589390C1</td></tr> <tr><td>C</td><td>90Q</td><td>14</td><td>GY</td><td>0587575C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>90S</td><td>12</td><td>GY</td><td>1673747C1</td><td>0589390C1</td></tr> <tr><td>E</td><td>[90K]</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>F</td><td>90P</td><td>18</td><td>GY</td><td>0587576C1</td><td>1652325C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | N97M | 16 | VT | 0587575C1 | 1652325C1 | B | 11-GE | 12 | WH | 1673747C1 | 0589390C1 | C | 90Q | 14 | GY | 0587575C1 | 0589391C1 | D | 90S | 12 | GY | 1673747C1 | 0589390C1 | E | [90K] | 16 | GY | 0587575C1 | 1652325C1 | F | 90P | 18 | GY | 0587576C1 | 1652325C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | N97M | 16 | VT | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 11-GE | 12 | WH | 1673747C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 90Q | 14 | GY | 0587575C1 | 0589391C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 90S | 12 | GY | 1673747C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | [90K] | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 90P | 18 | GY | 0587576C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p style="text-align: center;">CONNECTOR 0587573C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>B97M</td><td>16</td><td>VT</td><td>0587577C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>11-GE</td><td>12</td><td>WH</td><td>1673748C1</td><td>0589390C1</td></tr> <tr><td>C</td><td>90Q</td><td>14</td><td>GY</td><td>0587577C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>90S</td><td>12</td><td>GY</td><td>1673748C1</td><td>0589390C1</td></tr> <tr><td>E</td><td>90K</td><td>16</td><td>GY</td><td>0587577C1</td><td>1652325C1</td></tr> <tr><td>F</td><td>90P</td><td>16</td><td>GY</td><td>0587577C1</td><td>1652325C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | B97M | 16 | VT | 0587577C1 | 1652325C1 | B | 11-GE | 12 | WH | 1673748C1 | 0589390C1 | C | 90Q | 14 | GY | 0587577C1 | 0589391C1 | D | 90S | 12 | GY | 1673748C1 | 0589390C1 | E | 90K | 16 | GY | 0587577C1 | 1652325C1 | F | 90P | 16 | GY | 0587577C1 | 1652325C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | B97M | 16 | VT | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 11-GE | 12 | WH | 1673748C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 90Q | 14 | GY | 0587577C1 | 0589391C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 90S | 12 | GY | 1673748C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | 90K | 16 | GY | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 90P | 16 | GY | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | LOCATION | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | PART NO. | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | AE08056630 | 017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 83 Connector Composites (85), (88A), (88B)

11.18. CONNECTOR COMPOSITES (89), (90), (91), (162), (165), P. 18



DIFFERENTIAL PRESSURE SWITCH
(LOCATED ON MASTER CYLINDER RESERVIOR)
(91)



CONNECTOR 2004739C91

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|----------|
| A | I90K1 | 16 | GY | ASSY |
| B | I90L1 | 16 | GY | ASSY |

DRL RELAY
(162)
(LOCATED INSIDE CENTER DASH PANEL)



CONNECTOR 3512331C91

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| 1 | 66-FA | 16 | YL | 2039343C1 | 1652325C1 |
| 2 | 66DRF | 14 | YL | 3535486C1 | 0589391C1 |
| 3 | PLUG | - | - | 0587579C1 | - |
| 4 | 66FF | 16 | YL | 2039343C1 | 1652325C1 |
| 5 | 66-GDR | 18 | WH | 2039343C1 | 1652325C1 |

DRL MODULE
(165)
(LOCATED INSIDE CENTER DASH PANEL)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|-----------|
| A | A64A | 16 | YL | 1661209C1 |
| B | A66C | 14 | YL | 3566715C1 |
| C | A66E | 18 | DKBL | 1661208C1 |
| D | A66-G | 16 | WH | 1661209C1 |
| E | - | - | - | - |
| F | - | - | - | - |
| G | A66B | 16 | YL | 1661209C1 |
| H | A66A | 14 | YL | 3566715C1 |

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|----------|-----------------|-----|-----------|-------------|------------------------------------|
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00RNG1 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | LOCATION | | | | RELEASE NO. | DATE |
| | | | | | 59984K | 20AUG07 |
| | | | | | | PART NO. |
| | | | | | | AE08056630 |
| | | | | | | SHEET |
| | | | | | | 018 |

Figure 84 Connector Composites (89), (90), (91), (162), (165)

11.19. CONNECTOR COMPOSITES (168), (168F), P. 19

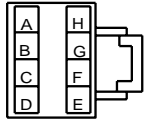
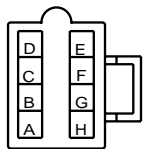

| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|-----------------|-------|---|-------------|------------------------------------|---------|--------|-------|-----------|-------------|-------|------|---------|-----------------|-----|--------|---------|------------------------------------|-----------|-----|----------|----|----|-------------|----------|------|-----------|-----------|-----------|------|--------|------------|-----------|-----------|---|-------|----|------|-----------|-----------|-------|-------|----|-----------|-----------|-----------|----|----|-----------|-----|-------|----|----|-----------|---|---|---|---|---|----|------|----|----|-----------|---|---|---|---|---|---|---|---|---|---|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">ABS / ALLISON INTERCONNECT (168) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 2005835C1 BODY LOCK 2006503C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A94-G</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>B</td><td>A92A</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>C</td><td>A92</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>D*</td><td>A24H</td><td>16</td><td>GY</td><td>1661209C1</td></tr> <tr><td>F</td><td>A13J</td><td>16</td><td>PK</td><td>1661209C1</td></tr> <tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A94-G | 16 | WH | 1661209C1 | B | A92A | 18 | TN | 1661208C1 | C | A92 | 18 | TN | 1661208C1 | D* | A24H | 16 | GY | 1661209C1 | F | A13J | 16 | PK | 1661209C1 | G | - | - | - | - | H | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A94-G | 16 | WH | 1661209C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A92A | 18 | TN | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A92 | 18 | TN | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D* | A24H | 16 | GY | 1661209C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | A13J | 16 | PK | 1661209C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">CONNECTOR 2005836C1 BODY LOCK 2006504C1</p>  </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A*@@</td><td>A94-G</td><td>18</td><td>GY</td><td>1661212C1</td></tr> <tr><td>A**</td><td>A94-G</td><td>16</td><td>WH</td><td>1661212C1</td></tr> <tr><td>A*@</td><td>A94-GC</td><td>18</td><td>WH</td><td>1661212C1</td></tr> <tr><td>B@@</td><td>A187</td><td>18</td><td>YL</td><td>1661212C1</td></tr> <tr><td>B@</td><td>A92A</td><td>18</td><td>TN</td><td>1661212C1</td></tr> <tr><td>C</td><td>A129</td><td>18</td><td>LTGN</td><td>1661212C1</td></tr> <tr><td>D*@</td><td>A113A</td><td>16</td><td>GY</td><td>1661212C1</td></tr> <tr><td>D*@@</td><td>A24H</td><td>16</td><td>GY</td><td>1661212C1</td></tr> <tr><td>D**</td><td>A94KG</td><td>16</td><td>GY</td><td>1661212C1</td></tr> <tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F@</td><td>A13E</td><td>18</td><td>PK</td><td>1661212C1</td></tr> <tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div> <div style="text-align: center; margin-top: 10px; font-size: 8px;"> * W/ HYD ** W/ AIR @ W/ LCT @@ W/ WTEC </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A*@@ | A94-G | 18 | GY | 1661212C1 | A** | A94-G | 16 | WH | 1661212C1 | A*@ | A94-GC | 18 | WH | 1661212C1 | B@@ | A187 | 18 | YL | 1661212C1 | B@ | A92A | 18 | TN | 1661212C1 | C | A129 | 18 | LTGN | 1661212C1 | D*@ | A113A | 16 | GY | 1661212C1 | D*@@ | A24H | 16 | GY | 1661212C1 | D** | A94KG | 16 | GY | 1661212C1 | E | - | - | - | - | F@ | A13E | 18 | PK | 1661212C1 | G | - | - | - | - | H | - | - | - | - |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A*@@ | A94-G | 18 | GY | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A** | A94-G | 16 | WH | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A*@ | A94-GC | 18 | WH | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B@@ | A187 | 18 | YL | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B@ | A92A | 18 | TN | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A129 | 18 | LTGN | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D*@ | A113A | 16 | GY | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D*@@ | A24H | 16 | GY | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D** | A94KG | 16 | GY | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F@ | A13E | 18 | PK | 1661212C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">PARK BRAKE PRESSURE SWITCH (168F) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 1661777C1 BODY LOCK 1661873C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C*</td><td>A44L</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D*</td><td>A44M</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A44MA</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>A44MG</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div> <div style="text-align: center; margin-top: 10px; font-size: 8px;"> * W/ LIFT DOOR INTERLOCK </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | - | - | - | - | - | B | - | - | - | - | - | C* | A44L | 16 | GY | 1661875C1 | 1661872C1 | D* | A44M | 16 | GY | 1661875C1 | 1661872C1 | C | A44MA | 18 | GY | 1661875C1 | 1661872C1 | D | A44MG | 18 | GY | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C* | A44L | 16 | GY | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D* | A44M | 16 | GY | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A44MA | 18 | GY | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | A44MG | 18 | GY | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; 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> </tr> <tr> <td>CNA1</td> <td>06SEP07</td> <td>ADDED CONNECTOR</td> <td>A</td> <td>59984K</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td> </tr> <tr> <td colspan="2"></td> <td>LOCATION</td> <td></td> <td></td> <td>RELEASE NO.</td> <td>PART NO.</td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td></td> <td>59974F</td> <td>AE08056630</td> </tr> <tr> <td colspan="5"></td> <td>DATE</td> <td>SHEET</td> </tr> <tr> <td colspan="5"></td> <td>15 JAN 07</td> <td>019</td> </tr> </table> | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | LOCATION | | | RELEASE NO. | PART NO. | | | | | | 59974F | AE08056630 | | | | | | DATE | SHEET | | | | | | 15 JAN 07 | 019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | LOCATION | | | RELEASE NO. | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | DATE | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Figure 85 Connector Composites (168), (168F)

11.20. CONNECTOR COMPOSITES (169), (170), (200), P. 20



Figure 86 Connector Composites (169), (170), (200)

11.21. CONNECTOR COMPOSITES (209), (211), (258), P. 21


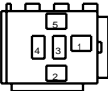
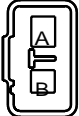
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|---|------------------------|------------------------------------|---------|-------|-------|----------|-------------|-------|------|----|------|-----------|-----------|----|------|-----------|------|-----------|-----------|-----------|------|-------|----|----|-----------|------|----|----|-----------|---|---|---|---|---|---|--------|----|----|-----------|-------|----|----|-----------|---|------|----|----|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="text-align: center;"> <p>BRAKE SWITCH (209) (LOCATED OUTSIDE LEFT FRAME RAIL)</p>  <p>CONNECTOR 2037484C91</p> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>IBK11</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>B</td> <td>IBK21</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>C</td> <td>IBK31</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> </tbody> </table> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | IBK11 | 18 | BK | ASSY | B | IBK21 | 18 | BK | ASSY | C | IBK31 | 18 | BK | ASSY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | IBK11 | 18 | BK | ASSY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | IBK21 | 18 | BK | ASSY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | IBK31 | 18 | BK | ASSY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="text-align: center;"> <p>AUDIBLE ALARM (211) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 0593385C1 BODY LOCK 0593387C1</p> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td rowspan="2">2**</td> <td>A40</td> <td>16</td> <td>GY</td> <td>1661710C1</td> </tr> <tr> <td>A40A</td> <td>16</td> <td>GY</td> <td>1661710C1</td> </tr> <tr> <td rowspan="2">2*</td> <td>A90AA</td> <td>16</td> <td>GY</td> <td>1661710C1</td> </tr> <tr> <td>A44B</td> <td>16</td> <td>GY</td> <td>1661710C1</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td rowspan="2">4</td> <td>A29/35</td> <td>16</td> <td>TN</td> <td>1661709C1</td> </tr> <tr> <td>A97AF</td> <td>18</td> <td>VT</td> <td>1661709C1</td> </tr> <tr> <td>5</td> <td>A13B</td> <td>16</td> <td>PK</td> <td>1661709C1</td> </tr> </tbody> </table> </div> <div style="text-align: right; margin-top: 10px;"> <p>* W/ HYD **W/ AIR</p> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | - | - | - | - | 2** | A40 | 16 | GY | 1661710C1 | A40A | 16 | GY | 1661710C1 | 2* | A90AA | 16 | GY | 1661710C1 | A44B | 16 | GY | 1661710C1 | 3 | - | - | - | - | 4 | A29/35 | 16 | TN | 1661709C1 | A97AF | 18 | VT | 1661709C1 | 5 | A13B | 16 | PK | 1661709C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2** | A40 | 16 | GY | 1661710C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A40A | 16 | GY | 1661710C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2* | A90AA | 16 | GY | 1661710C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A44B | 16 | GY | 1661710C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | A29/35 | 16 | TN | 1661709C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A97AF | 18 | VT | 1661709C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A13B | 16 | PK | 1661709C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="text-align: center;"> <p>HCU MOTOR (258) (LOCATED OUTSIDE LEFT FRAME RAIL)</p>  <p>CONNECTOR 3524332C1</p> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>94-L</td> <td>8</td> <td>RD</td> <td>3524333C1</td> <td>3524334C1</td> </tr> <tr> <td>B</td> <td>94-G</td> <td>8</td> <td>BK</td> <td>3524333C1</td> <td>3524334C1</td> </tr> </tbody> </table> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | 94-L | 8 | RD | 3524333C1 | 3524334C1 | B | 94-G | 8 | BK | 3524333C1 | 3524334C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 94-L | 8 | RD | 3524333C1 | 3524334C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 94-G | 8 | BK | 3524333C1 | 3524334C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. 59974F | DATE 15 JAN 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | PART NO. AE08056630 | SHEET 021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 87 Connector Composites (209), (211), (258)

11.22. CONNECTOR COMPOSITE (261), P. 22

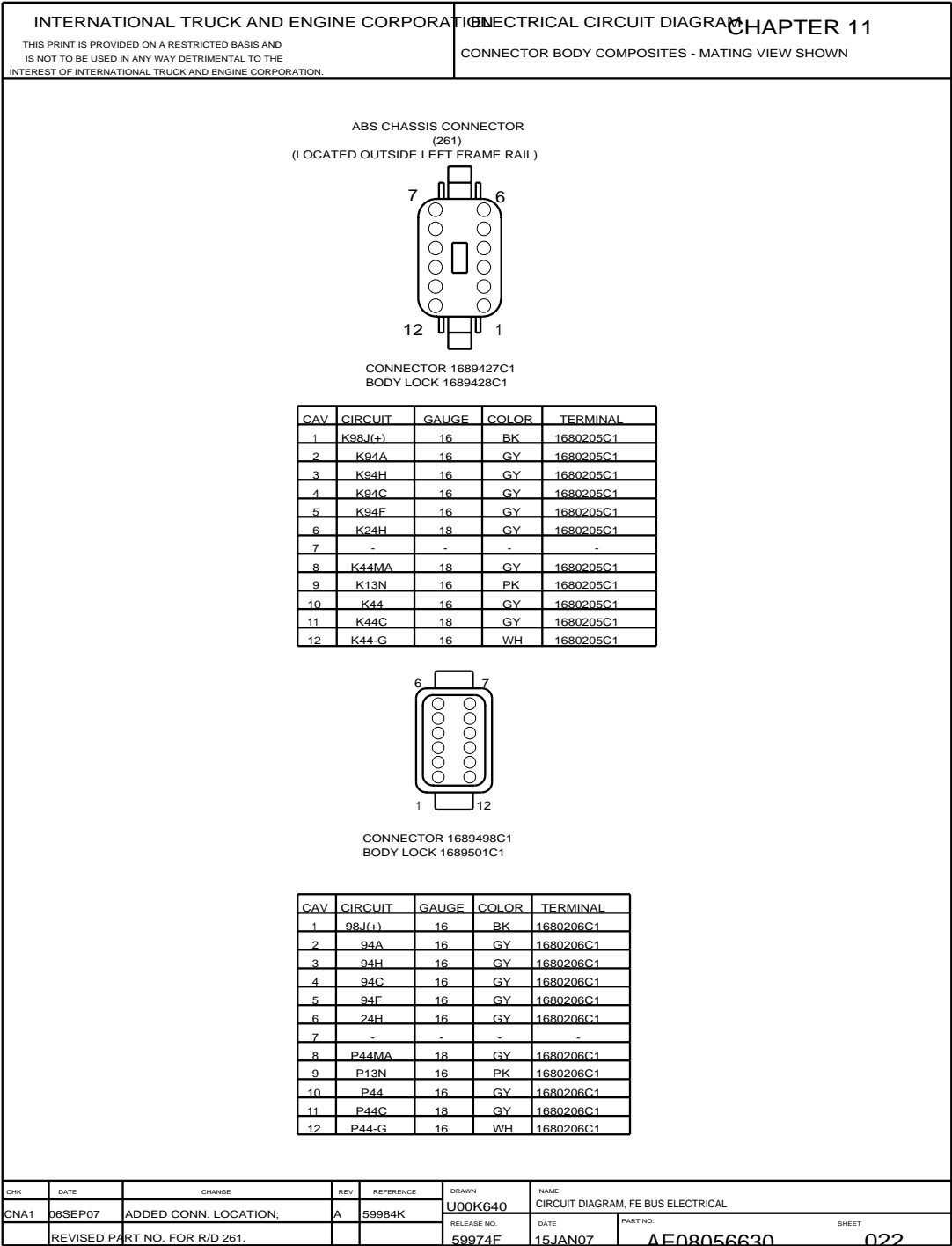


Figure 88 Connector Composite (261)

11.23. CONNECTOR COMPOSITES (279), (288X1), P. 23

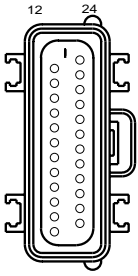
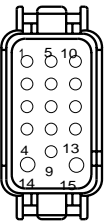
| INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small> | | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 CONNECTOR BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|-----------|--|------------------------------------|-----|---------|--------|-------|-----------|-------|-------|------|---------|-----------------|---|--------|---------|------------------------------------|-----------|----------|--------|----|----|--------------------|----------------|--------|----|----|-----------|---|---------------------|-----------|----|-----------|---|-------|----|----|-----------|---|--------|----|----|-----------|---|----------|----|------|-----------|---|---------|----|----|-----------|----|---------|----|------|-----------|----|---------|----|----|-----------|----|-------|----|----|-----------|------|--------|----|----|-----------|----|--------|----|----|-----------|----|-----|----|----|-----------|----|------|---|---|-----------|----|------|---|---|-----------|----|------|---|---|-----------|----|------|---|---|-----------|----|---------|----|----|-----------|----|---------|----|----|-----------|----|---------|----|----|-----------|----|---------|----|----|-----------|----|------|---|---|-----------|
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">HCU MODULE (279) (LOCATED OUTSIDE LEFT FRAME RAIL)</p>  <p style="text-align: center;">CONNECTOR 3524330C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>94A</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>2</td><td>24H</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>5</td><td>98J(+)</td><td>16</td><td>BK</td><td>3524331C1</td></tr> <tr><td>6</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>7</td><td>94H</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>8</td><td>94RR(H)</td><td>16</td><td>DKBL</td><td>3524331C1</td></tr> <tr><td>9</td><td>94LR(H)</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>10</td><td>94RF(H)</td><td>16</td><td>DKBL</td><td>3524331C1</td></tr> <tr><td>11</td><td>94LF(H)</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>14</td><td>94F</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>15</td><td>94C</td><td>16</td><td>GY</td><td>3524331C1</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>17</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>20</td><td>94RR(L)</td><td>16</td><td>YL</td><td>3524331C1</td></tr> <tr><td>21</td><td>94LR(L)</td><td>16</td><td>OR</td><td>3524331C1</td></tr> <tr><td>22</td><td>94RF(L)</td><td>16</td><td>YL</td><td>3524331C1</td></tr> <tr><td>23</td><td>94LF(L)</td><td>16</td><td>OR</td><td>3524331C1</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> </tbody> </table> </div> </div> | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | 94A | 16 | GY | 3524331C1 | 2 | 24H | 16 | GY | 3524331C1 | 3 | PLUG | - | - | 0453133C1 | 4 | PLUG | - | - | 0453133C1 | 5 | 98J(+) | 16 | BK | 3524331C1 | 6 | PLUG | - | - | 0453133C1 | 7 | 94H | 16 | GY | 3524331C1 | 8 | 94RR(H) | 16 | DKBL | 3524331C1 | 9 | 94LR(H) | 16 | GY | 3524331C1 | 10 | 94RF(H) | 16 | DKBL | 3524331C1 | 11 | 94LF(H) | 16 | GY | 3524331C1 | 12 | PLUG | - | - | 0453133C1 | 13 | PLUG | - | - | 0453133C1 | 14 | 94F | 16 | GY | 3524331C1 | 15 | 94C | 16 | GY | 3524331C1 | 16 | PLUG | - | - | 0453133C1 | 17 | PLUG | - | - | 0453133C1 | 18 | PLUG | - | - | 0453133C1 | 19 | PLUG | - | - | 0453133C1 | 20 | 94RR(L) | 16 | YL | 3524331C1 | 21 | 94LR(L) | 16 | OR | 3524331C1 | 22 | 94RF(L) | 16 | YL | 3524331C1 | 23 | 94LF(L) | 16 | OR | 3524331C1 | 24 | PLUG | - | - | 0453133C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 94A | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24H | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 98J(+) | 16 | BK | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 94H | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 94RR(H) | 16 | DKBL | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 94LR(H) | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 94RF(H) | 16 | DKBL | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 94LF(H) | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 94F | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 94C | 16 | GY | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 94RR(L) | 16 | YL | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 94LR(L) | 16 | OR | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 94RF(L) | 16 | YL | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 94LF(L) | 16 | OR | 3524331C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">ABS6 ECU (288X1) (LOCATED OUTSIDE LEFT FRAME RAIL)</p>  <p style="text-align: center;">CONNECTOR 3598469C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>TN/WH</td><td>16</td><td>TN</td><td>3572625C1</td></tr> <tr><td>2</td><td>N5DB-</td><td>18</td><td>GN</td><td>3572625C1</td></tr> <tr><td>3</td><td>OR/WTS</td><td>16</td><td>OR</td><td>3572625C1</td></tr> <tr><td>4</td><td>YL/WTS</td><td>16</td><td>YL</td><td>3572625C1</td></tr> <tr><td>5</td><td>PK/WH</td><td>16</td><td>PK</td><td>3572625C1</td></tr> <tr><td>6</td><td>N5DB+</td><td>18</td><td>YL</td><td>3572625C1</td></tr> <tr><td>7</td><td>GY/WTS</td><td>16</td><td>GY</td><td>3572625C1</td></tr> <tr><td>8</td><td>DKBL/WTS</td><td>16</td><td>DKBL</td><td>3572625C1</td></tr> <tr><td>9</td><td>N94KG</td><td>18</td><td>GY</td><td>3572625C1</td></tr> <tr><td>10</td><td>YL</td><td>16</td><td>YL</td><td>1651988C1</td></tr> <tr><td>12</td><td>GN2</td><td>16</td><td>GN</td><td>3572625C1</td></tr> <tr><td>14</td><td>N94KA</td><td>12</td><td>GY</td><td>1646429C1</td></tr> <tr><td>15**</td><td>N94-GB</td><td>12</td><td>WH</td><td>1646429C1</td></tr> <tr><td>15</td><td>N94-GE</td><td>12</td><td>WH</td><td>1646429C1</td></tr> </tbody> </table> </div> </div> <p style="text-align: center; margin-top: 10px;">** W/ 234WB & W/ 216WB</p> | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | TN/WH | 16 | TN | 3572625C1 | 2 | N5DB- | 18 | GN | 3572625C1 | 3 | OR/WTS | 16 | OR | 3572625C1 | 4 | YL/WTS | 16 | YL | 3572625C1 | 5 | PK/WH | 16 | PK | 3572625C1 | 6 | N5DB+ | 18 | YL | 3572625C1 | 7 | GY/WTS | 16 | GY | 3572625C1 | 8 | DKBL/WTS | 16 | DKBL | 3572625C1 | 9 | N94KG | 18 | GY | 3572625C1 | 10 | YL | 16 | YL | 1651988C1 | 12 | GN2 | 16 | GN | 3572625C1 | 14 | N94KA | 12 | GY | 1646429C1 | 15** | N94-GB | 12 | WH | 1646429C1 | 15 | N94-GE | 12 | WH | 1646429C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | TN/WH | 16 | TN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N5DB- | 18 | GN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | OR/WTS | 16 | OR | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | YL/WTS | 16 | YL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | PK/WH | 16 | PK | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | N5DB+ | 18 | YL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | GY/WTS | 16 | GY | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | DKBL/WTS | 16 | DKBL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | N94KG | 18 | GY | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | YL | 16 | YL | 1651988C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | GN2 | 16 | GN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | N94KA | 12 | GY | 1646429C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15** | N94-GB | 12 | WH | 1646429C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | N94-GE | 12 | WH | 1646429C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <tr> <th>CHK</th><th>DATE</th><th>CHANGE</th><th>REV</th><th>REFERENCE</th><th>DRAWN</th><th>NAME</th></tr> <tr> <td>CNA1</td><td>06SEP07</td><td>ADDED CONNECTOR</td><td>A</td><td>59984K</td><td>U00K640</td><td>CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td></tr> <tr> <td></td><td>LOCATION</td><td></td><td></td><td></td><td>RELEASE NO. 59974F</td><td>DATE 15 JAN 07</td></tr> <tr> <td colspan="5"></td><td>PART NO. AE08056630</td><td>SHEET 023</td></tr> </table> | | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | LOCATION | | | | RELEASE NO. 59974F | DATE 15 JAN 07 | | | | | | PART NO. AE08056630 | SHEET 023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. 59974F | DATE 15 JAN 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | PART NO. AE08056630 | SHEET 023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 89 Connector Composites (279), (288x1)

11.24. CONNECTOR COMPOSITES (289), (290), (291), (292), (297), P. 24



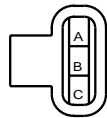
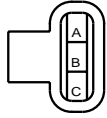


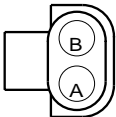
| INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small> | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 CONNECTOR BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|-----------------|-------|---|-------------|------------------------------------|------------|-----|---------|-------|-------|----------|-------------|----------|--------|------|-----------|-----------|-----------|----|----------|-----------|------|-----------|-----------|---|----------|----|------|-----------|-----------|
| RIGHT FRONT WHEEL SPEED SENSOR (289) (LOCATED AT LEFT FRONT WHEEL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>94RF(H)</td> <td>16</td> <td>DKBL</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>94RF(L)</td> <td>16</td> <td>YL</td> <td>1680205C1</td> </tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | 94RF(H) | 16 | DKBL | 1680205C1 | 2 | 94RF(L) | 16 | YL | 1680205C1 | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 94RF(H) | 16 | DKBL | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 94RF(L) | 16 | YL | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTOR 3539777C1 BODY LOCK 3539784C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEFT FRONT WHEEL SPEED SENSOR (289) (LOCATED AT LEFT FRONT WHEEL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GY/WTS</td> <td>16</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>OR/WTS</td> <td>16</td> <td>OR</td> <td>1680205C1</td> </tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | GY/WTS | 16 | GY | 1680205C1 | 2 | OR/WTS | 16 | OR | 1680205C1 | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | GY/WTS | 16 | GY | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | OR/WTS | 16 | OR | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTOR 1684261C1 BODY LOCK 1684263C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEFT FRONT MODULATOR VALVE (290) (LOCATED AT LEFT FRAME RAIL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>BK/WTS</td> <td>16</td> <td>BK</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>RD/WTS</td> <td>16</td> <td>RD</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>BN/WTS</td> <td>16</td> <td>BN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | BK/WTS | 16 | BK | 2033819C1 | 1652325C1 | B | RD/WTS | 16 | RD | 2033819C1 | 1652325C1 | C | BN/WTS | 16 | BN | 2033819C1 | 1652325C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | BK/WTS | 16 | BK | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | RD/WTS | 16 | RD | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | BN/WTS | 16 | BN | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTOR:1686834C1 BODY LOCK:1664408C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIGHT FRONT MODULATOR VALVE (291) (LOCATED AT RIGHT FRAME RAIL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>VT/WTS</td> <td>16</td> <td>VT</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>LTGN/WTS</td> <td>16</td> <td>LTGN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>LTBL/WTS</td> <td>16</td> <td>LTBL</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | VT/WTS | 16 | VT | 2033819C1 | 1652325C1 | B | LTGN/WTS | 16 | LTGN | 2033819C1 | 1652325C1 | C | LTBL/WTS | 16 | LTBL | 2033819C1 | 1652325C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | VT/WTS | 16 | VT | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | LTGN/WTS | 16 | LTGN | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | LTBL/WTS | 16 | LTBL | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTOR 1686834C1 BODY LOCK 1664408C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIGHT FRONT WHEEL SPEED SENSOR (292) (LOCATED AT RIGHT FRONT WHEEL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DKBL/WTS</td> <td>16</td> <td>DKBL</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>YL/WTS</td> <td>16</td> <td>YL</td> <td>1680205C1</td> </tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | DKBL/WTS | 16 | DKBL | 1680205C1 | 2 | YL/WTS | 16 | YL | 1680205C1 | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | DKBL/WTS | 16 | DKBL | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | YL/WTS | 16 | YL | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTOR 1684261C1 BODY LOCK 1684263C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ABS WARNING LIGHT (297) (LOCATED INSIDE CENTER DASH PANEL) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A94E</td> <td>16</td> <td>GY</td> <td>2001704C1</td> </tr> <tr> <td>B</td> <td>A94B</td> <td>16</td> <td>GY</td> <td>2001704C1</td> </tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A94E | 16 | GY | 2001704C1 | B | A94B | 16 | GY | 2001704C1 | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A94E | 16 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A94B | 16 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTOR 2001688C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION | | | | | SHEET 024 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 90 Connector Composites (289), (290), (291), (292), (297)

11.25. CONNECTOR COMPOSITES (303), (323), (329), P. 25

| | | | | | | | |
|--|--|--|--|---|--|--|--|
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | |
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | |

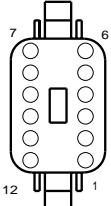
ENGINE / XMSN
(303)
(LOCATED AT CENTER ENGINE COMPARTMENT)



CONNECTOR 0587568C91

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|-----------|
| A | K#125 | 18 | GY | 0587576C1 |
| B | PLUG | - | - | 0587579C1 |

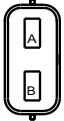
REAR HARNESS
(323)
(LOCATED AT LEFT FRAME RAIL)



CONNECTOR 1689427C1
BODY LOCK 1689428C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|-----------|
| 1 | 94LR(H) | 16 | GY | 1680205C1 |
| 2 | - | - | - | - |
| 3 | 94LR(H) | 18 | OR | 1680205C1 |
| 4 | 94RR(H) | 16 | YL | 1680205C1 |
| 5 | - | - | - | - |
| 6 | 94RR(L) | 16 | DKBL | 1680205C1 |
| 7 | - | - | - | - |
| 8 | P44 | 18 | GY | 1680205C1 |
| 9 | P13N | 16 | PK | 1680205C1 |
| 10 | P44MA | 16 | GY | 1680205C1 |
| 11 | P44C | 18 | GY | 1680205C1 |
| 12 | P44-G | 16 | WH | 1680205C1 |

MAXI FUSE
(329)
(LOCATED INSIDE LEFT DASH PANEL)



CONNECTOR 3525613C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| A | A97J | 8 | RD | 3525614C1 | 3515525C1 |
| B | A94K | 8 | RD | 3525614C1 | 3515525C1 |

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|----------|-----------------|-----|-----------|--------------------|------------------------------------|
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | LOCATION | | | | RELEASE NO. 59974F | DATE 15 JAN 07 |
| | | | | | | PART NO. AE08056630 |
| | | | | | | SHEET 025 |

Figure 91 Connector Composites (303), (323), (329)

11.26. CONNECTOR COMPOSITES (330), (350X2), (351), (352), P. 26

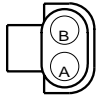
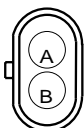
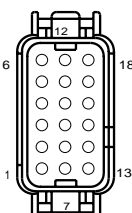
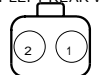
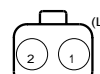
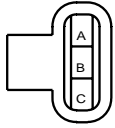
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|---|-------------|------------------------------------|----------------|-------|-------|----------|-------------|---------|-----|------|-----------|-----------|-----------|----|-----|-----------|----|-----------|-----------|-----|-----------|-------|---------|----------|-------------|-----------|-----|------|----|-----------|-----------|---|------|----|----|-----------|-----------|--------|----|----|-----------|---|--------|----|----|-----------|---|----------|----|------|-----------|----|--------|----|----|-----------|----|-------|----|----|-----------|----|-------|----|----|-----------|----|--------|----|----|-----------|----|----------|----|------|-----------|----|-------|----|----|-----------|----|---------|----|------|-----------|----|---------|----|------|-----------|----|-------|----|----|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">HYD BRAKE SWITCH (330) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 0587568C91</p>  <p style="text-align: center;">CONNECTOR 0587567C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>90F</td> <td>16</td> <td>GY</td> <td>0587575C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>90B</td> <td>16</td> <td>GY</td> <td>0587575C1</td> <td>1652325C1</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>90F</td> <td>16</td> <td>GY</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>90B</td> <td>16</td> <td>GY</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | 90F | 16 | GY | 0587575C1 | 1652325C1 | B | 90B | 16 | GY | 0587575C1 | 1652325C1 | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | 90F | 16 | GY | 0587577C1 | 1652325C1 | B | 90B | 16 | GY | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 90F | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 90B | 16 | GY | 0587575C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 90F | 16 | GY | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 90B | 16 | GY | 0587577C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">ABS6 ECU (350x2) (LOCATED AT LEFT FRAME RAIL)</p>  <p style="text-align: center;">CONNECTOR 3597379C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>OR/WH</td><td>16</td><td>OR</td><td>3572625C1</td></tr> <tr><td>2</td><td>GY/WH</td><td>16</td><td>GY</td><td>3572625C1</td></tr> <tr><td>3</td><td>YL/WH</td><td>16</td><td>YL</td><td>3572625C1</td></tr> <tr><td>4</td><td>DKBL/WH</td><td>16</td><td>DKBL</td><td>3572625C1</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>6</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>7</td><td>BN/WTS</td><td>16</td><td>BN</td><td>3572625C1</td></tr> <tr><td>8</td><td>BK/WTS</td><td>16</td><td>BK</td><td>3572625C1</td></tr> <tr><td>9</td><td>LTBL/WTS</td><td>16</td><td>LTBL</td><td>3572625C1</td></tr> <tr><td>10</td><td>VT/WTS</td><td>16</td><td>VT</td><td>3572625C1</td></tr> <tr><td>11</td><td>BN/WH</td><td>16</td><td>BN</td><td>3572625C1</td></tr> <tr><td>12</td><td>BK/WH</td><td>16</td><td>BK</td><td>3572625C1</td></tr> <tr><td>13</td><td>RD/WTS</td><td>16</td><td>RD</td><td>3572625C1</td></tr> <tr><td>14</td><td>LTGN/WTS</td><td>16</td><td>LTGN</td><td>3572625C1</td></tr> <tr><td>15</td><td>RD/WH</td><td>16</td><td>RD</td><td>3572625C1</td></tr> <tr><td>16</td><td>LTGN/WH</td><td>16</td><td>LTGN</td><td>3572625C1</td></tr> <tr><td>17</td><td>LTBL/WH</td><td>16</td><td>LTBL</td><td>3572625C1</td></tr> <tr><td>18</td><td>VT/WH</td><td>16</td><td>VT</td><td>3572625C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | OR/WH | 16 | OR | 3572625C1 | 2 | GY/WH | 16 | GY | 3572625C1 | 3 | YL/WH | 16 | YL | 3572625C1 | 4 | DKBL/WH | 16 | DKBL | 3572625C1 | 5 | PLUG | - | - | 0453133C1 | 6 | PLUG | - | - | 0453133C1 | 7 | BN/WTS | 16 | BN | 3572625C1 | 8 | BK/WTS | 16 | BK | 3572625C1 | 9 | LTBL/WTS | 16 | LTBL | 3572625C1 | 10 | VT/WTS | 16 | VT | 3572625C1 | 11 | BN/WH | 16 | BN | 3572625C1 | 12 | BK/WH | 16 | BK | 3572625C1 | 13 | RD/WTS | 16 | RD | 3572625C1 | 14 | LTGN/WTS | 16 | LTGN | 3572625C1 | 15 | RD/WH | 16 | RD | 3572625C1 | 16 | LTGN/WH | 16 | LTGN | 3572625C1 | 17 | LTBL/WH | 16 | LTBL | 3572625C1 | 18 | VT/WH | 16 | VT | 3572625C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | OR/WH | 16 | OR | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | GY/WH | 16 | GY | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | YL/WH | 16 | YL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | DKBL/WH | 16 | DKBL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PLUG | - | - | 0453133C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | BN/WTS | 16 | BN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | BK/WTS | 16 | BK | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | LTBL/WTS | 16 | LTBL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | VT/WTS | 16 | VT | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | BN/WH | 16 | BN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | BK/WH | 16 | BK | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | RD/WTS | 16 | RD | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | LTGN/WTS | 16 | LTGN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | RD/WH | 16 | RD | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | LTGN/WH | 16 | LTGN | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | LTBL/WH | 16 | LTBL | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | VT/WH | 16 | VT | 3572625C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | GY/WH | 16 | GY | 1651969C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | OR/WH | 16 | OR | 1651969C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | DKBL/WH | 16 | DKBL | 1651969C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | YL/WH | 16 | YL | 1651969C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION | | | | | RELEASE NO. | DATE | PART NO. SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | AE08056630 026 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 92 Connector Composites (330), (350x2), (351), (352)

11.27. CONNECTOR COMPOSITES (353), (354), (373M), (374M), P. 27

| | | | | | | | |
|--|--|--|--|---|--|--|--|
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | |
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | |

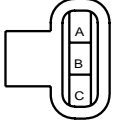
LEFT REAR
MODULATOR VALVE
(353)
(LOCATED AT LEFT FRAME RAIL)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| A | BK/WH | 16 | BK | 2033819C1 | 1652325C1 |
| B | RD/WH | 16 | RD | 2033819C1 | 1652325C1 |
| C | BN/WH | 16 | BN | 2033819C1 | 1652325C1 |


RIGHT REAR
MODULATOR VALVE
(354)
(LOCATED AT RIGHT FRAME RAIL)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| A | VT/WH | 16 | VT | 2033819C1 | 1652325C1 |
| B | LTGN/WH | 16 | LTGN | 2033819C1 | 1652325C1 |
| C | LTBL/WH | 16 | LTBL | 2033819C1 | 1652325C1 |

ATA DATA LINK(+) (373M)
(LOCATED INSIDE CENTER DASH PANEL)

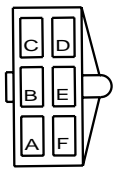


CONNECTOR 0892136C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|--------|---------|-------|-------|-----------|
| A | A98E(+) | 18 | BK | 0879630R1 |
| B | - | - | - | - |
| C | A3A+ | 18 | BK | 0879630R1 |
| D* @ | A98(+) | 16 | GY | 0188396R1 |
| D* @ @ | A98J(+) | 16 | GY | 0188396R1 |
| E | - | - | - | - |
| F | A3+ | 14 | BK | 0188396R1 |

* W/ AIR BRAKES
 @ W/ LCT
 @ @ W/ WTEC

ATA DATA LINK(-) /
REFERENCE CONNECTOR
(374M)
(LOCATED INSIDE CENTER DASH PANEL)



CONNECTOR 0892136C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL |
|-----|---------|-------|-------|-----------|
| A | A3A- | 18 | BK | 0879630R1 |
| B | - | - | - | - |
| C | A98F(-) | 18 | BK | 0879630R1 |
| D | - | - | - | - |
| E | - | - | - | - |
| F | A3- | 14 | BK | 0188396R1 |

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|----------|-----------------|-----|-----------|-------------|------------------------------------|
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | LOCATION | | | | RELEASE NO. | PART NO. |
| | | | | | 59974F | AE08056630 |
| | | | | | DATE | SHEET |
| | | | | | 15JAN07 | 027 |

Figure 93 Connector Composites (353), (354), (373M), (374M)

11.28. CONNECTOR COMPOSITES (382M), (384M), (384N), P. 28

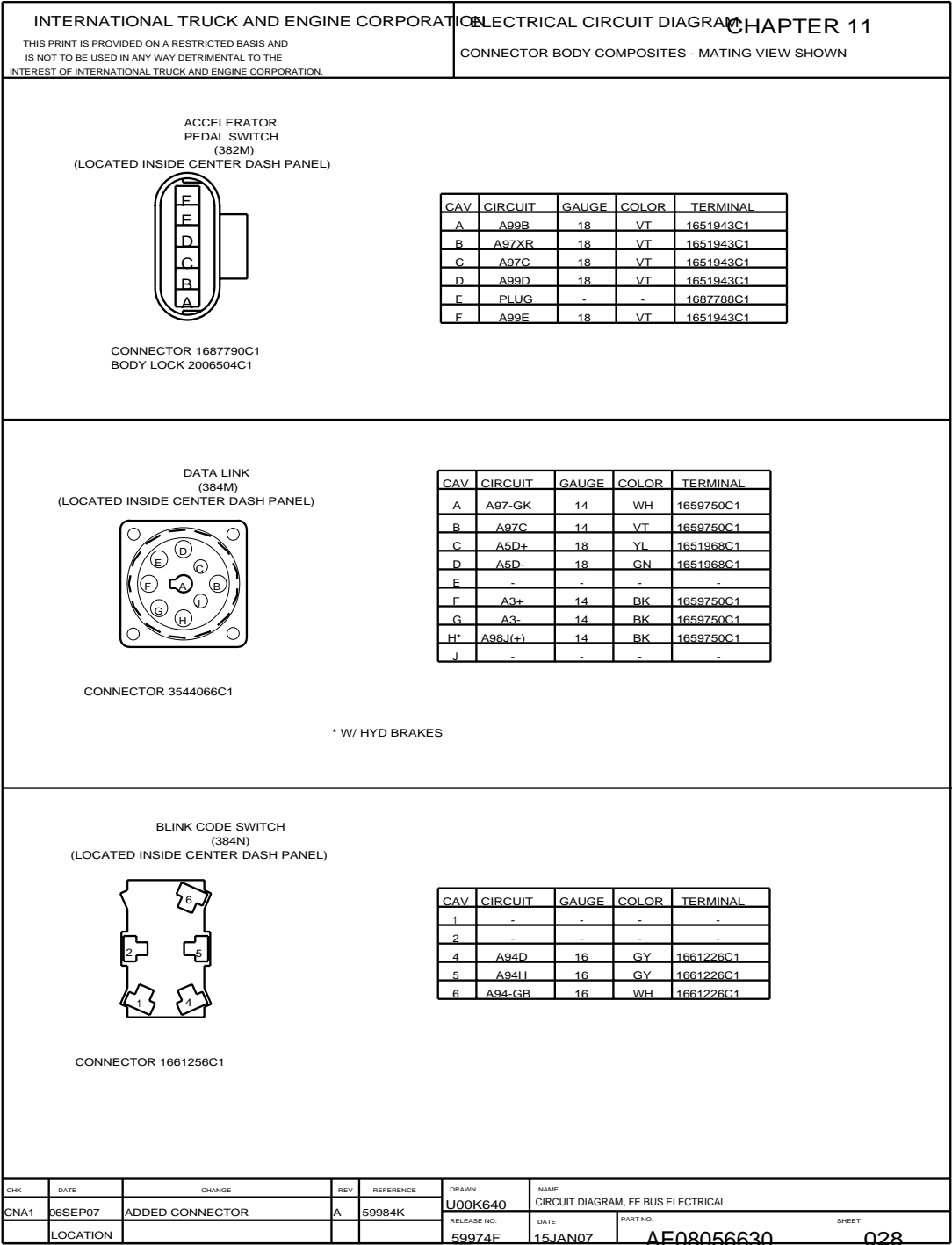


Figure 94 Connector Composites (382M), (384M), (384N)

11.29. CONNECTOR COMPOSITES (391), (392), P. 29

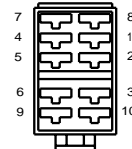
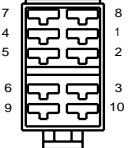
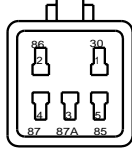
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|---|-------------|------------------------------------|---------|-------|-------|----------|-------------|-------|-------|----|-----------|-----------|-----------|----|-------|-----------|----|-----------|-----------|----|-----------|---|-------|-----------|----|-----------|-------|----|----|-----------|-----------|---|------|----|----|-----------|-----------|--------|----|----|-----------|---|--------|----|-------|-----------|---|------|----|-------|-----------|----|---|---|---|---|----|---|---|---|---|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">THROTTLE ON / OFF (391) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 3530564C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>A97DJ</td><td>16</td><td>VT</td><td>1661226C1</td></tr> <tr><td>3</td><td>A97DE</td><td>18</td><td>VT</td><td>1661224C1</td></tr> <tr><td></td><td>A97CF</td><td>18</td><td>VT</td><td>1661224C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A62-GH</td><td>18</td><td>WH</td><td>1661224C1</td></tr> <tr><td>8</td><td>A62L</td><td>18</td><td>DK BL</td><td>1661224C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | - | - | - | - | 2 | A97DJ | 16 | VT | 1661226C1 | 3 | A97DE | 18 | VT | 1661224C1 | | A97CF | 18 | VT | 1661224C1 | 4 | - | - | - | - | 5 | - | - | - | - | 6 | - | - | - | - | 7 | A62-GH | 18 | WH | 1661224C1 | 8 | A62L | 18 | DK BL | 1661224C1 | 9 | - | - | - | - | 10 | - | - | - | - |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | A97DJ | 16 | VT | 1661226C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A97DE | 18 | VT | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A97CF | 18 | VT | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | A62-GH | 18 | WH | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A62L | 18 | DK BL | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">SET / RESUME (392) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 3530563C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>A97DE</td><td>18</td><td>VT</td><td>1661224C1</td></tr> <tr><td>2</td><td>A97CA</td><td>18</td><td>VT</td><td>1661224C1</td></tr> <tr><td>3</td><td>A97-GH</td><td>18</td><td>VT</td><td>1661224C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A62-GF</td><td>18</td><td>WH</td><td>1661224C1</td></tr> <tr><td>8</td><td>A62N</td><td>18</td><td>DK BL</td><td>1661224C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | A97DE | 18 | VT | 1661224C1 | 2 | A97CA | 18 | VT | 1661224C1 | 3 | A97-GH | 18 | VT | 1661224C1 | 4 | - | - | - | - | 5 | - | - | - | - | 6 | - | - | - | - | 7 | A62-GF | 18 | WH | 1661224C1 | 8 | A62N | 18 | DK BL | 1661224C1 | 9 | - | - | - | - | 10 | - | - | - | - | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A97DE | 18 | VT | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | A97CA | 18 | VT | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A97-GH | 18 | VT | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | A62-GF | 18 | WH | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A62N | 18 | DK BL | 1661224C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">IDM 2 MODULE RELAY (392) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 3512331C91</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr><td>1</td><td>K97HA</td><td>10</td><td>PL</td><td>3512334C1</td><td>0589390C1</td></tr> <tr><td>2</td><td>K97JA</td><td>12</td><td>VT</td><td>2039344C1</td><td>0589390C1</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> <tr><td>4</td><td>K97FF</td><td>10</td><td>PL</td><td>3512334C1</td><td>0589390C1</td></tr> <tr><td>5</td><td>K97J</td><td>18</td><td>VT</td><td>2039343C1</td><td>1652325C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | 1 | K97HA | 10 | PL | 3512334C1 | 0589390C1 | 2 | K97JA | 12 | VT | 2039344C1 | 0589390C1 | 3 | PLUG | - | - | 0587579C1 | - | 4 | K97FF | 10 | PL | 3512334C1 | 0589390C1 | 5 | K97J | 18 | VT | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K97HA | 10 | PL | 3512334C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K97JA | 12 | VT | 2039344C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | PLUG | - | - | 0587579C1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | K97FF | 10 | PL | 3512334C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | K97J | 18 | VT | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | PART NO. | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | AE08056630 | 029 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 95 Connector Composites (391), (392)

11.30. CONNECTOR COMPOSITES (396), (397M), (420A), (422), P. 30

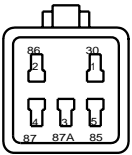
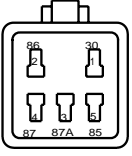
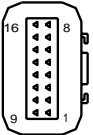

| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|--------------------------------|-------|---|-------------|------------------------------------|---------|-------|-------|----------|-------------|------|-------|----|-----------|-----------|-----------|----|-------|-----------|----|-----------|-----------|----|-----------|----|------|-----------|-----------|-----------|------|-------|----|-----------|-----------|---|--------|----|----|-----------|-----------|------|---|---|-----------|---|------|---|---|-----------|---|--------|----|----|-----------|---|------|---|---|-----------|----|------|---|---|-----------|----|------|----|----|-----------|-----|-------|----|----|-----------|------|-------|----|----|-----------|----|------|----|----|-----------|----|------|---|---|-----------|----|--------|----|----|-----------|----|------|---|---|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K97XA | 10 | PL | 3512334C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K97LB | 12 | VT | 2039344C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | PLUG | - | - | 0587579C1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | K97A | 10 | VT | 3512334C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | K97LA | 18 | VT | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K17B | 16 | PK | 3512334C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K71BA | 16 | PK | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 66-FB | 16 | YL | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | K17A | 10 | PK | 3512334C1 | 0589390C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | K17S | 18 | PK | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A187 | 18 | YL | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5* | A94-G | 18 | GY | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A94-GD | 18 | GY | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A5DBB+ | 18 | YL | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | A134 | 18 | OR | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12* | A163C | 18 | GY | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12** | A163C | 18 | YL | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | A110 | 18 | PK | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | A5DBB- | 18 | GN | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A94B | 18 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A94E | 18 | GY | 2001704C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONN. LOCATION; | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | REVISED CHTS IN CONN R/D 420A. | | | 59974F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | RELEASE NO. | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 59974F | 15 JAN 07 | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | SHEET 030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 96 Connector Composites (396), (397M), (420A), (422)

11.31. CONNECTOR COMPOSITES (433), (434), P. 31

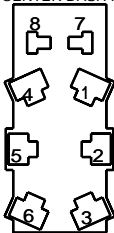
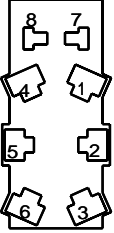
| INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small> | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 CONNECTOR BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-----------------|-------|--|-------------|------------------------------------|----------------|-----|---------|-------|-------|----------|---|---|---|---|---|---|--------|----|----|-----------|---|-------|----|----|-----------|---|-------|----|----|-----------|---|-------|----|----|-----------|---|-------|----|----|-----------|---|-------|----|----|-----------|---|--------|----|----|-----------|---|-------|----|-------|-----------|
| <p>LEVEL SWITCH (433) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 2009385C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>A97RA</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td>4</td><td>A97RB</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td></td><td>A97RD</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td>5</td><td>A97RC</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td>6</td><td>A97RD</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td>7</td><td>A11-GJ</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>8</td><td>A62KB</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> </tbody> </table> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | - | - | - | - | 2 | - | - | - | - | 3 | A97RA | 18 | VT | 1661208C1 | 4 | A97RB | 18 | VT | 1661208C1 | | A97RD | 18 | VT | 1661208C1 | 5 | A97RC | 18 | VT | 1661208C1 | 6 | A97RD | 18 | VT | 1661208C1 | 7 | A11-GJ | 18 | WH | 1661208C1 | 8 | A62KB | 18 | DKBL | 1661208C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A97RA | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | A97RB | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A97RD | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A97RC | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | A97RD | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | A11-GJ | 18 | WH | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A62KB | 18 | DKBL | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ON / OFF SWITCH (434) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 2009385C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>A11-GS</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>3</td><td>A97RC</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td></td><td>A97RA</td><td>18</td><td>VT</td><td>1661208C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A11-GJ</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>8</td><td>A62KB</td><td>18</td><td>DK BL</td><td>1661208C1</td></tr> </tbody> </table> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | - | - | - | - | 2 | A11-GS | 18 | WH | 1661208C1 | 3 | A97RC | 18 | VT | 1661208C1 | | A97RA | 18 | VT | 1661208C1 | 4 | - | - | - | - | 5 | - | - | - | - | 6 | - | - | - | - | 7 | A11-GJ | 18 | WH | 1661208C1 | 8 | A62KB | 18 | DK BL | 1661208C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | A11-GS | 18 | WH | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A97RC | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A97RA | 18 | VT | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | A11-GJ | 18 | WH | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | A62KB | 18 | DK BL | 1661208C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | PART NO. SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN07 | AE08056630 031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 97 Connector Composites (433), (434)

11.32. CONNECTOR COMPOSITES (466), P. 32

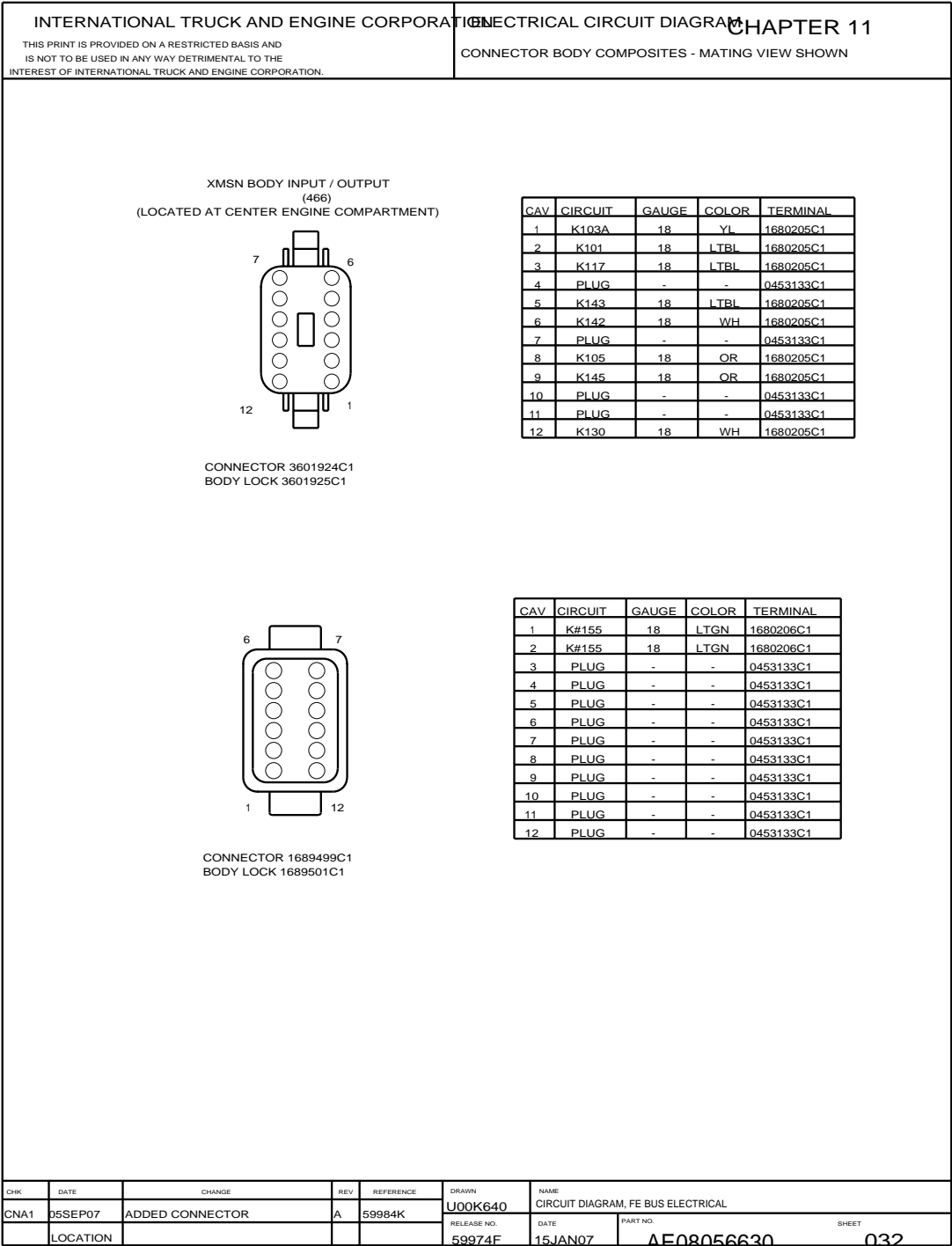


Figure 98 Connector Composites (466)

11.33. CONNECTOR COMPOSITES (499), (523), P. 33

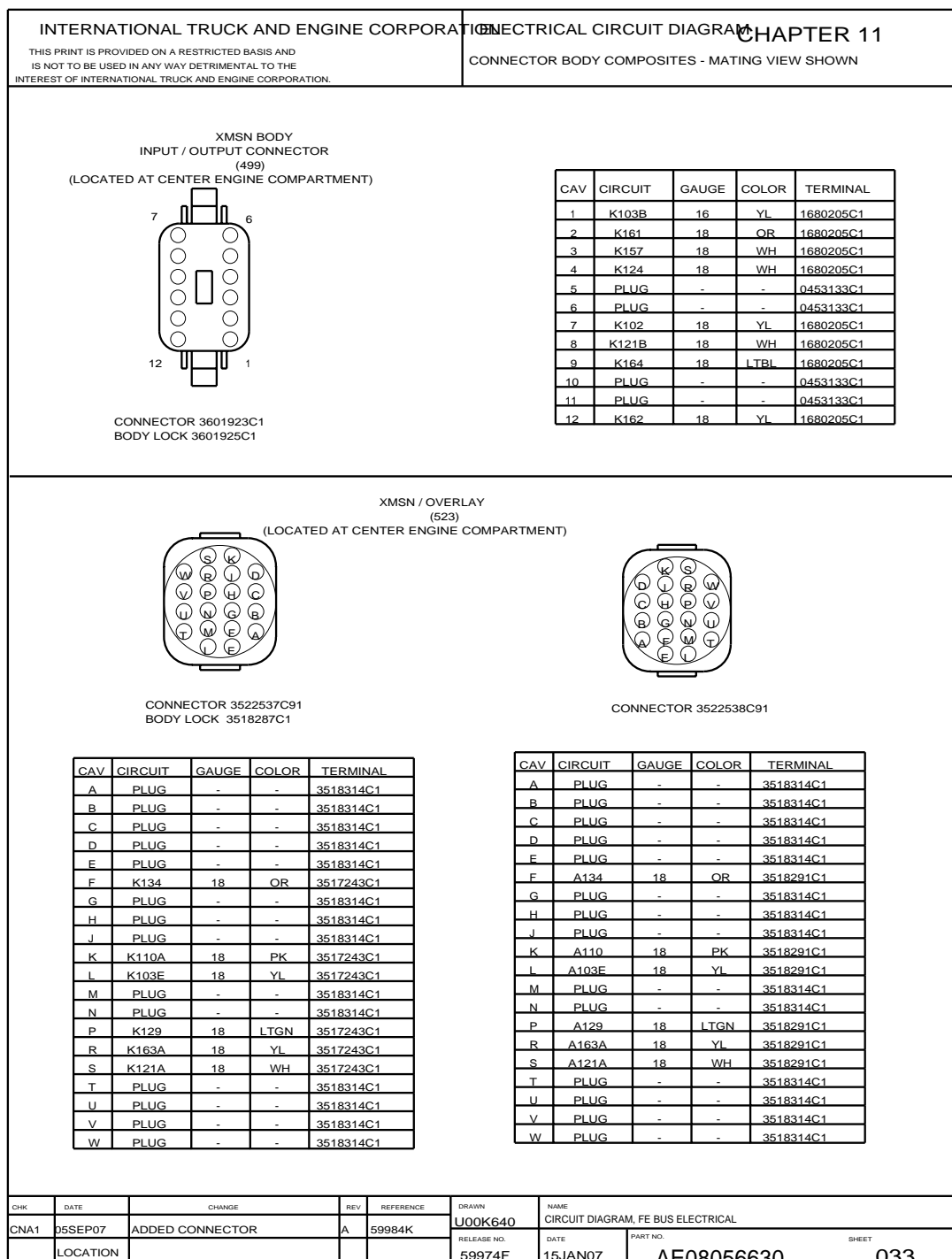
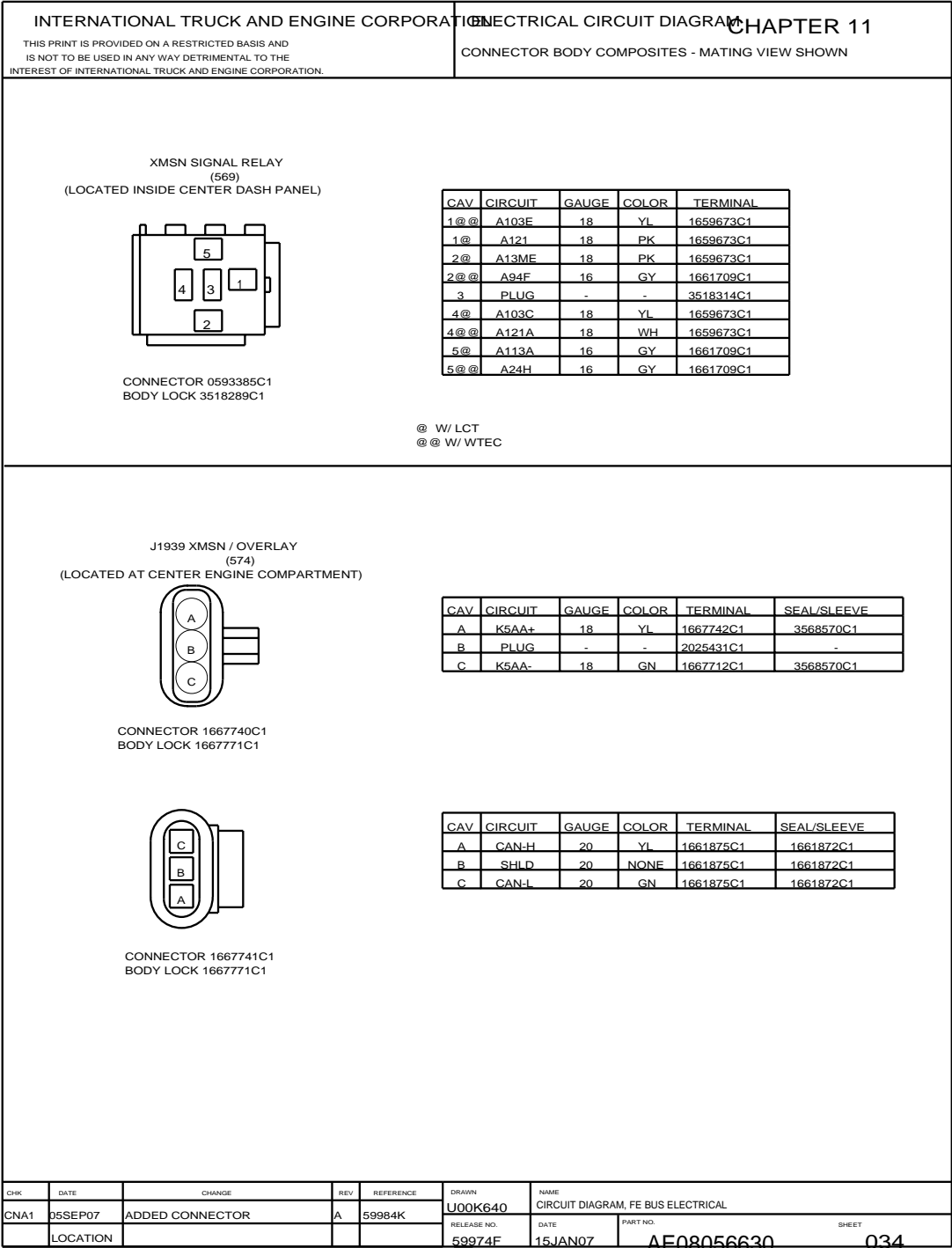


Figure 99 Connector Composites (499), (523)

11.34. CONNECTOR COMPOSITES (569), (574), P. 34



| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|------|----------|-----------------|-----|-----------|--------------------|------------------------------------|
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| | LOCATION | | | | RELEASE NO. 59974F | DATE 15JAN07 |
| | | | | | | PART NO. AE08056630 |
| | | | | | | SHEET 034 |

Figure 100 Connector Composites (569), (574)

11.35. CONNECTOR COMPOSITES (574), (639), (644F), P. 35

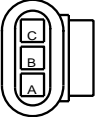
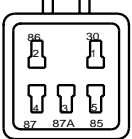
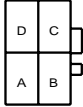
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|-----------------|-------|---|-------------|------------------------------------|---------|--------|-------|-----------|-------------|--------|------|---------|-----------------|-----------|-----------|---------|------------------------------------|-----------|----|-----------|-----------|----|-------------|------|------|-----------|-----------|-----------|---------|---------|---------|-----------|-------------|----|--------|----|----------|-----------|-----------|-------|-------|----|-----------|------------|-----------|----|--------|-----------|----|-----------|-----------|------|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">J1939 XMSN OVERLAY (574) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 1667741C1 BODY LOCK 1667771C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>K5A+</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr> <td>B</td><td>PLUG</td><td>-</td><td>-</td><td>2025431C1</td><td>-</td></tr> <tr> <td>C</td><td>K5A-</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p style="text-align: center;">CONNECTOR 1667740C1 BODY LOCK 1667771C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>CAN-H4</td><td>20</td><td>YL</td><td>1667742C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>SHLD4</td><td>20</td><td>NONE</td><td>1667742C1</td><td>1661872C1</td></tr> <tr> <td>C</td><td>CAN-L4</td><td>20</td><td>GN</td><td>1667742C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K5A+ | 18 | YL | 1661875C1 | 3568570C1 | B | PLUG | - | - | 2025431C1 | - | C | K5A- | 18 | GN | 1661875C1 | 3568570C1 | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | CAN-H4 | 20 | YL | 1667742C1 | 1661872C1 | B | SHLD4 | 20 | NONE | 1667742C1 | 1661872C1 | C | CAN-L4 | 20 | GN | 1667742C1 | 1661872C1 | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K5A+ | 18 | YL | 1661875C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | PLUG | - | - | 2025431C1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | K5A- | 18 | GN | 1661875C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | CAN-H4 | 20 | YL | 1667742C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | SHLD4 | 20 | NONE | 1667742C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | CAN-L4 | 20 | GN | 1667742C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">XMSN BACKUP RELAY (639) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 3512331C91</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>1</td><td>K71</td><td>16</td><td>OR</td><td>2039343C1</td><td>1652325C1</td></tr> <tr> <td>2</td><td>K165</td><td>18</td><td>TN</td><td>2039343C1</td><td>3517771C1</td></tr> <tr> <td>3</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> <tr> <td>4</td><td>K71A</td><td>16</td><td>OR</td><td>2039343C1</td><td>1652325C1</td></tr> <tr> <td>5@</td><td>K163C</td><td>18</td><td>YL</td><td>2039343C1</td><td>1652325C1</td></tr> <tr> <td>5@@</td><td>K163C</td><td>18</td><td>YL</td><td>2039343C1</td><td>3517771C1</td></tr> </tbody> </table> </div> </div> <div style="text-align: right; margin-top: 10px; font-size: x-small;"> @ W/ WTEC @@ W/ LCT </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | 1 | K71 | 16 | OR | 2039343C1 | 1652325C1 | 2 | K165 | 18 | TN | 2039343C1 | 3517771C1 | 3 | PLUG | - | - | 0587579C1 | - | 4 | K71A | 16 | OR | 2039343C1 | 1652325C1 | 5@ | K163C | 18 | YL | 2039343C1 | 1652325C1 | 5@@ | K163C | 18 | YL | 2039343C1 | 3517771C1 | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K71 | 16 | OR | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K165 | 18 | TN | 2039343C1 | 3517771C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | PLUG | - | - | 0587579C1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | K71A | 16 | OR | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5@ | K163C | 18 | YL | 2039343C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5@@ | K163C | 18 | YL | 2039343C1 | 3517771C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">ENGINE BRAKE (644F) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 1667305C1 BODY LOCK 1661263C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td>A</td><td>A11-GR</td><td>16</td><td>WH</td><td>1661261C1</td></tr> <tr> <td>B</td><td>A97RA</td><td>18</td><td>VT</td><td>1661261C1</td></tr> <tr> <td>C</td><td>A97RB</td><td>18</td><td>VT</td><td>1661261C1</td></tr> <tr> <td>D</td><td>A62K</td><td>18</td><td>DKBL</td><td>1661261C1</td></tr> </tbody> </table> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p style="text-align: center;">CONNECTOR 1667529C1 BODY LOCK 1667530C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td>A</td><td>A11-GR</td><td>16</td><td>WH</td><td>1661262C1</td></tr> <tr> <td>B</td><td>A97RA</td><td>18</td><td>VT</td><td>1661262C1</td></tr> <tr> <td>C</td><td>A97RB</td><td>18</td><td>VT</td><td>1661262C1</td></tr> <tr> <td>D</td><td>A62K</td><td>18</td><td>DKBL</td><td>1661262C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A11-GR | 16 | WH | 1661261C1 | B | A97RA | 18 | VT | 1661261C1 | C | A97RB | 18 | VT | 1661261C1 | D | A62K | 18 | DKBL | 1661261C1 | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A11-GR | 16 | WH | 1661262C1 | B | A97RA | 18 | VT | 1661262C1 | C | A97RB | 18 | VT | 1661262C1 | D | A62K | 18 | DKBL | 1661262C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A11-GR | 16 | WH | 1661261C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A97RA | 18 | VT | 1661261C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A97RB | 18 | VT | 1661261C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | A62K | 18 | DKBL | 1661261C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A11-GR | 16 | WH | 1661262C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A97RA | 18 | VT | 1661262C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A97RB | 18 | VT | 1661262C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | A62K | 18 | DKBL | 1661262C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 20%;">CHANGE</td> <td style="width: 10%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td style="width: 40%;">NAME</td> </tr> <tr> <td>CNA1</td> <td>05SEP07</td> <td>ADDED CONNECTOR</td> <td>A</td> <td>59984K</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td> </tr> <tr> <td colspan="5"></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td colspan="5"></td> <td>59974F</td> <td>15JAN07</td> </tr> <tr> <td colspan="5">LOCATION</td> <td>PART NO.</td> <td>SHEET</td> </tr> <tr> <td colspan="5"></td> <td>AE08056630</td> <td>035</td> </tr> </table> | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | RELEASE NO. | DATE | | | | | | 59974F | 15JAN07 | LOCATION | | | | | PART NO. | SHEET | | | | | | AE08056630 | 035 | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15JAN07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION | | | | | PART NO. | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | AE08056630 | 035 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 101 Connector Composites (574), (639), (644F)

11.36. CONNECTOR COMPOSITES (646), (748), (749), P. 36

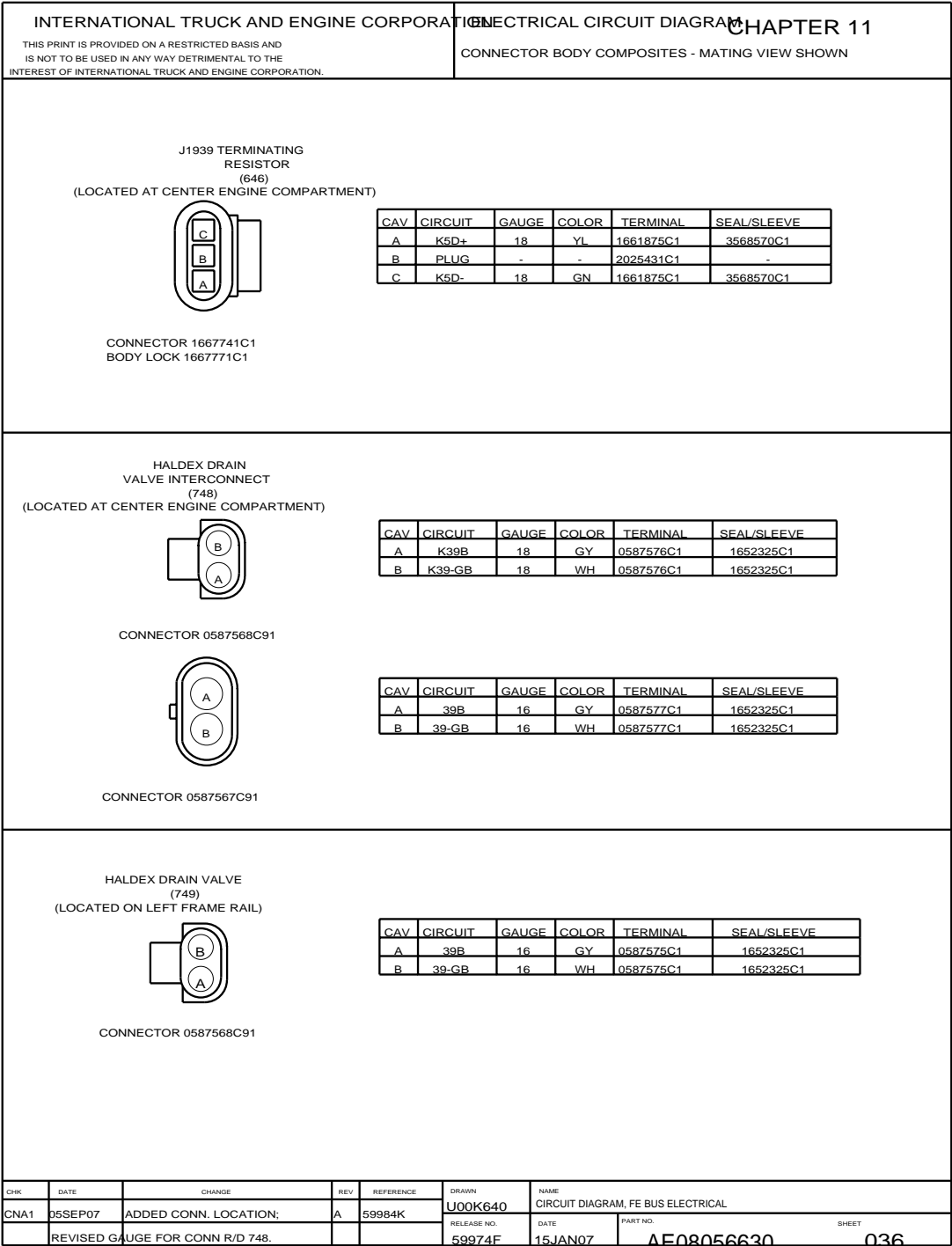


Figure 102 Connector Composites (646), (748), (749)

11.37. CONNECTOR COMPOSITES (832), (836), (898), P. 37

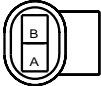
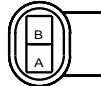
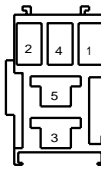
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|-----------------|-------|---|-------------|------------------------------------|------------|-----|---------|--------|-------|-----------|-------------|--------|------|------|-----------|-----------------|-----------|--------|---------|------------------------------------|------|-----------|-----------|----|-----------|-----|-------------|------|----------|-----------|----|-------|----|----|-----------|-----------|------------|----|----|-----------|---|---|---|-------|-----|----|-------|----|----|-----------|-----|------|----|----|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">ENGINE SPEED SENSOR (832) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 2036583C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K159</td> <td>18</td> <td>TN</td> <td>3554322C1</td> <td>3554318C1</td> </tr> <tr> <td>B</td> <td>K139</td> <td>18</td> <td>OR</td> <td>3554322C1</td> <td>3554318C1</td> </tr> </tbody> </table> </div> </div> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K159 | 18 | TN | 3554322C1 | 3554318C1 | B | K139 | 18 | OR | 3554322C1 | 3554318C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K159 | 18 | TN | 3554322C1 | 3554318C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K139 | 18 | OR | 3554322C1 | 3554318C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">OUTPUT SPEED SENSOR (836) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 3610533C1 BODY LOCK 3610532C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K160</td> <td>18</td> <td>YL</td> <td>3554322C1</td> <td>3554318C1</td> </tr> <tr> <td>B</td> <td>K140</td> <td>18</td> <td>LTGN</td> <td>3554322C1</td> <td>3554318C1</td> </tr> </tbody> </table> </div> </div> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K160 | 18 | YL | 3554322C1 | 3554318C1 | B | K140 | 18 | LTGN | 3554322C1 | 3554318C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K160 | 18 | YL | 3554322C1 | 3554318C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K140 | 18 | LTGN | 3554322C1 | 3554318C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">HEAD LIGHT CONTROL (898) (LOCATED ON LEFT SIDE OF VEHICLE AT FLASHER PLATE)</p>  <p style="text-align: center;">CONNECTOR 2028683C1 BODY LOCK 2028684C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1*</td> <td>A50B-G</td> <td>18</td> <td>WH</td> <td>2025418C1</td> </tr> <tr> <td>1**</td> <td>50B-G</td> <td>18</td> <td>WH</td> <td>2025418C1</td> </tr> <tr> <td>2*</td> <td>A51AD</td> <td>16</td> <td>YL</td> <td>2025418C1</td> </tr> <tr> <td>2**</td> <td>51AD</td> <td>16</td> <td>YL</td> <td>2025418C1</td> </tr> <tr> <td>3*</td> <td>A51AA</td> <td>12</td> <td>YL</td> <td>2022374C1</td> </tr> <tr> <td>3**</td> <td>51AA</td> <td>12</td> <td>YL</td> <td>2022374C1</td> </tr> <tr> <td>4</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>5*</td> <td>A51AB</td> <td>14</td> <td>YL</td> <td>2018946C1</td> </tr> <tr> <td>5**</td> <td>51AB</td> <td>14</td> <td>YL</td> <td>2018946C1</td> </tr> </tbody> </table> </div> </div> <p style="text-align: center; margin-top: 10px;">* W/ HYD BRAKES ** W/ AIR BRAKES</p> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1* | A50B-G | 18 | WH | 2025418C1 | 1** | 50B-G | 18 | WH | 2025418C1 | 2* | A51AD | 16 | YL | 2025418C1 | 2** | 51AD | 16 | YL | 2025418C1 | 3* | A51AA | 12 | YL | 2022374C1 | 3** | 51AA | 12 | YL | 2022374C1 | 4 | - | - | - | - | 5* | A51AB | 14 | YL | 2018946C1 | 5** | 51AB | 14 | YL | 2018946C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1* | A50B-G | 18 | WH | 2025418C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1** | 50B-G | 18 | WH | 2025418C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2* | A51AD | 16 | YL | 2025418C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2** | 51AD | 16 | YL | 2025418C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3* | A51AA | 12 | YL | 2022374C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3** | 51AA | 12 | YL | 2022374C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5* | A51AB | 14 | YL | 2018946C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5** | 51AB | 14 | YL | 2018946C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 20%;">CHANGE</td> <td style="width: 10%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td colspan="2" style="width: 30%;">NAME</td> </tr> <tr> <td>CNA1</td> <td>05SEP07</td> <td>ADDED CONNECTOR</td> <td>A</td> <td>59984K</td> <td>U00K640</td> <td colspan="2">CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td> </tr> <tr> <td colspan="5"></td> <td>RELEASE NO.</td> <td>DATE</td> <td>PART NO.</td> </tr> <tr> <td colspan="5"></td> <td>59974F</td> <td>15 JAN 07</td> <td>AE08056630</td> </tr> <tr> <td colspan="6"></td> <td>SHEET</td> <td>037</td> </tr> </table> | | | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | RELEASE NO. | DATE | PART NO. | | | | | | 59974F | 15 JAN 07 | AE08056630 | | | | | | | SHEET | 037 | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | SHEET | 037 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 103 Connector Composites (832), (836), (898)

11.38. CONNECTOR COMPOSITES (899), (996M), (1002), P. 38

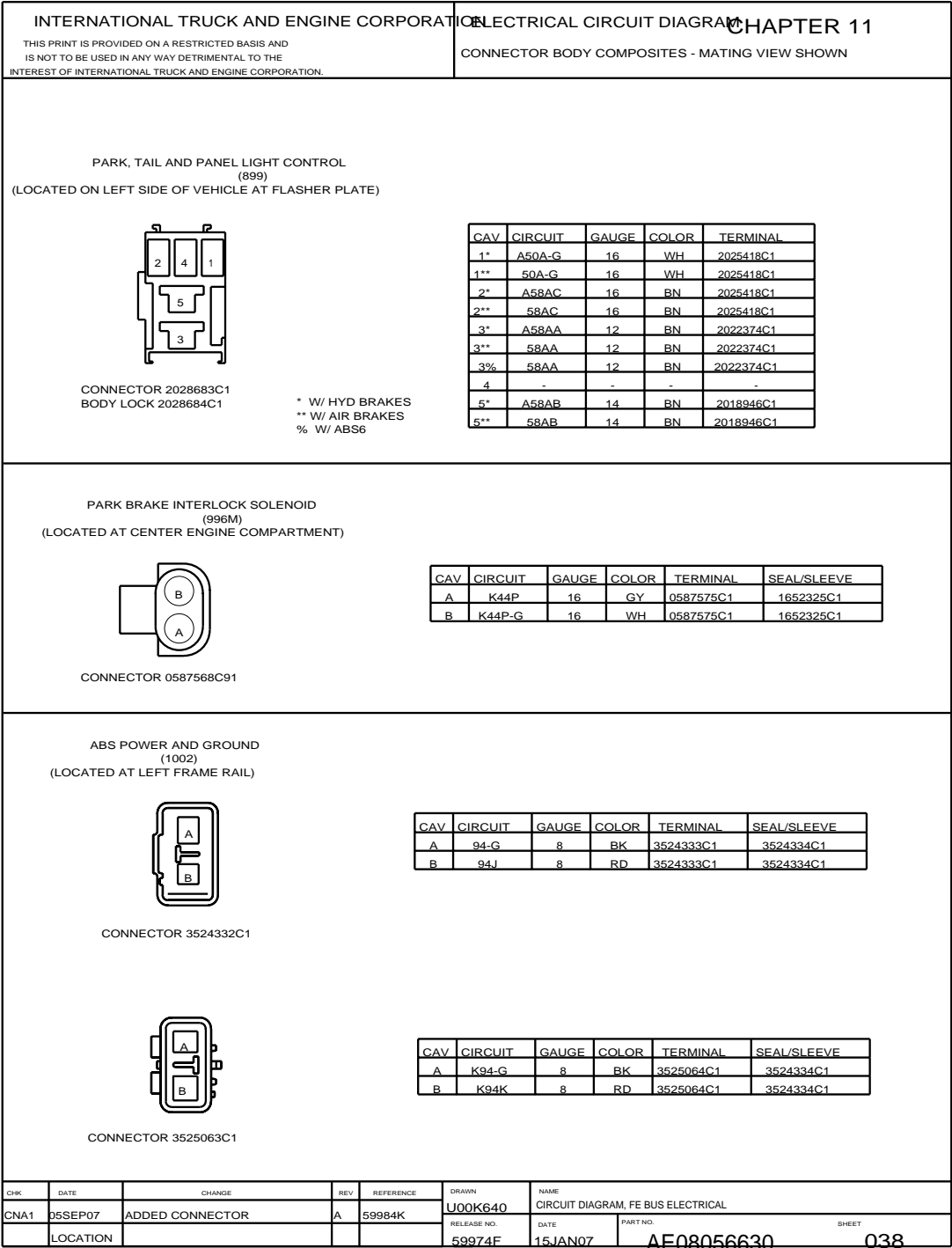


Figure 104 Connector Composites (899), (996M), (1002)

11.39. CONNECTOR COMPOSITES (1004), (1050), (1133), (1152), P. 39

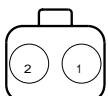
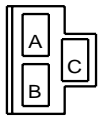
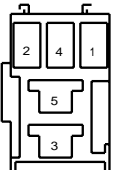
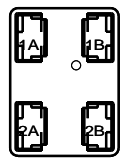
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|--|---------|-----------------|-------|---|-------------|------------------------------------|------------|-----|---------|--------|-------|-----------|-------|---------|----|------|-----------|-----------------|---------|--------|---------|------------------------------------|----|-------|----|----|-----------|----|-------------|------|----------|-----------|--|-------|----|----|-----------|----------|------------|----|----|-----------|--|--|----------|-----------|--|
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| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>LEFT FRONT WHEEL SENSOR (1004) (LOCATED AT LEFT FRONT WHEEL)</p>  <p>CONNECTOR 3539777C1 BODY LOCK 3539784C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>94LF(H)</td> <td>16</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>94LF(L)</td> <td>16</td> <td>OR</td> <td>1680205C1</td> </tr> </tbody> </table> </div> </div> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | 94LF(H) | 16 | GY | 1680205C1 | 2 | 94LF(L) | 16 | OR | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 94LF(H) | 16 | GY | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 94LF(L) | 16 | OR | 1680205C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>DIODE (1050) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 0598839C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A70D</td> <td>18</td> <td>OR</td> <td>0333732C1</td> </tr> <tr> <td>B</td> <td>A97MA</td> <td>18</td> <td>VT</td> <td>0333732C1</td> </tr> <tr> <td>C</td> <td>A70E</td> <td>18</td> <td>OR</td> <td>0333732C1</td> </tr> </tbody> </table> </div> </div> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A70D | 18 | OR | 0333732C1 | B | A97MA | 18 | VT | 0333732C1 | C | A70E | 18 | OR | 0333732C1 | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A70D | 18 | OR | 0333732C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | A97MA | 18 | VT | 0333732C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A70E | 18 | OR | 0333732C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>BRAKE / CRUISE INTERFACE RELAY (1133) (LOCATED ON LEFT SIDE OF VEHICLE AT FLASHER PLATE)</p>  <p>CONNECTOR 0593385C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A97DK</td> <td>14</td> <td>VT</td> <td>1661709C1</td> </tr> <tr> <td>2</td> <td>A97B</td> <td>18</td> <td>VT</td> <td>1659673C1</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>A97SD</td> <td>18</td> <td>VT</td> <td>1661709C1</td> </tr> <tr> <td></td> <td>A97DJ</td> <td>16</td> <td>VT</td> <td>1661709C1</td> </tr> <tr> <td>5</td> <td>A97-GM</td> <td>18</td> <td>WH</td> <td>1659673C1</td> </tr> </tbody> </table> </div> </div> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | A97DK | 14 | VT | 1661709C1 | 2 | A97B | 18 | VT | 1659673C1 | 3 | - | - | - | - | 4 | A97SD | 18 | VT | 1661709C1 | | A97DJ | 16 | VT | 1661709C1 | 5 | A97-GM | 18 | WH | 1659673C1 | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A97DK | 14 | VT | 1661709C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | A97B | 18 | VT | 1659673C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | A97SD | 18 | VT | 1661709C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A97DJ | 16 | VT | 1661709C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A97-GM | 18 | WH | 1659673C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>REGEN INDICATOR LIGHTS (1152) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 2206669C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1A</td> <td>A13MC</td> <td>18</td> <td>PK</td> <td>0556897C1</td> </tr> <tr> <td>1B</td> <td>A95E</td> <td>18</td> <td>VT</td> <td>0556897C1</td> </tr> <tr> <td>2A</td> <td>A13MB</td> <td>18</td> <td>PK</td> <td>0556897C1</td> </tr> <tr> <td>2B</td> <td>A95D</td> <td>18</td> <td>VT</td> <td>0556897C1</td> </tr> </tbody> </table> </div> </div> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1A | A13MC | 18 | PK | 0556897C1 | 1B | A95E | 18 | VT | 0556897C1 | 2A | A13MB | 18 | PK | 0556897C1 | 2B | A95D | 18 | VT | 0556897C1 | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1A | A13MC | 18 | PK | 0556897C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1B | A95E | 18 | VT | 0556897C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2A | A13MB | 18 | PK | 0556897C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2B | A95D | 18 | VT | 0556897C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th colspan="2">NAME</th> </tr> <tr> <td>CNA1</td> <td>05SEP07</td> <td>ADDED CONNECTOR</td> <td>A</td> <td>59984K</td> <td>U00K640</td> <td colspan="2">CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td> </tr> <tr> <td colspan="5"></td> <td>RELEASE NO.</td> <td>DATE</td> <td>PART NO.</td> </tr> <tr> <td colspan="5"></td> <td>59974F</td> <td>15 JAN07</td> <td>AE08056630</td> </tr> <tr> <td colspan="5"></td> <td>LOCATION</td> <td colspan="2">SHEET 039</td> </tr> </table> | | | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | RELEASE NO. | DATE | PART NO. | | | | | | 59974F | 15 JAN07 | AE08056630 | | | | | | LOCATION | SHEET 039 | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN07 | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | LOCATION | SHEET 039 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 105 Connector Composites (1004), (1050), (1133), (1152)

11.40. CONNECTOR COMPOSITES (1272), (3027), (3028), (3029), (3032), P. 40

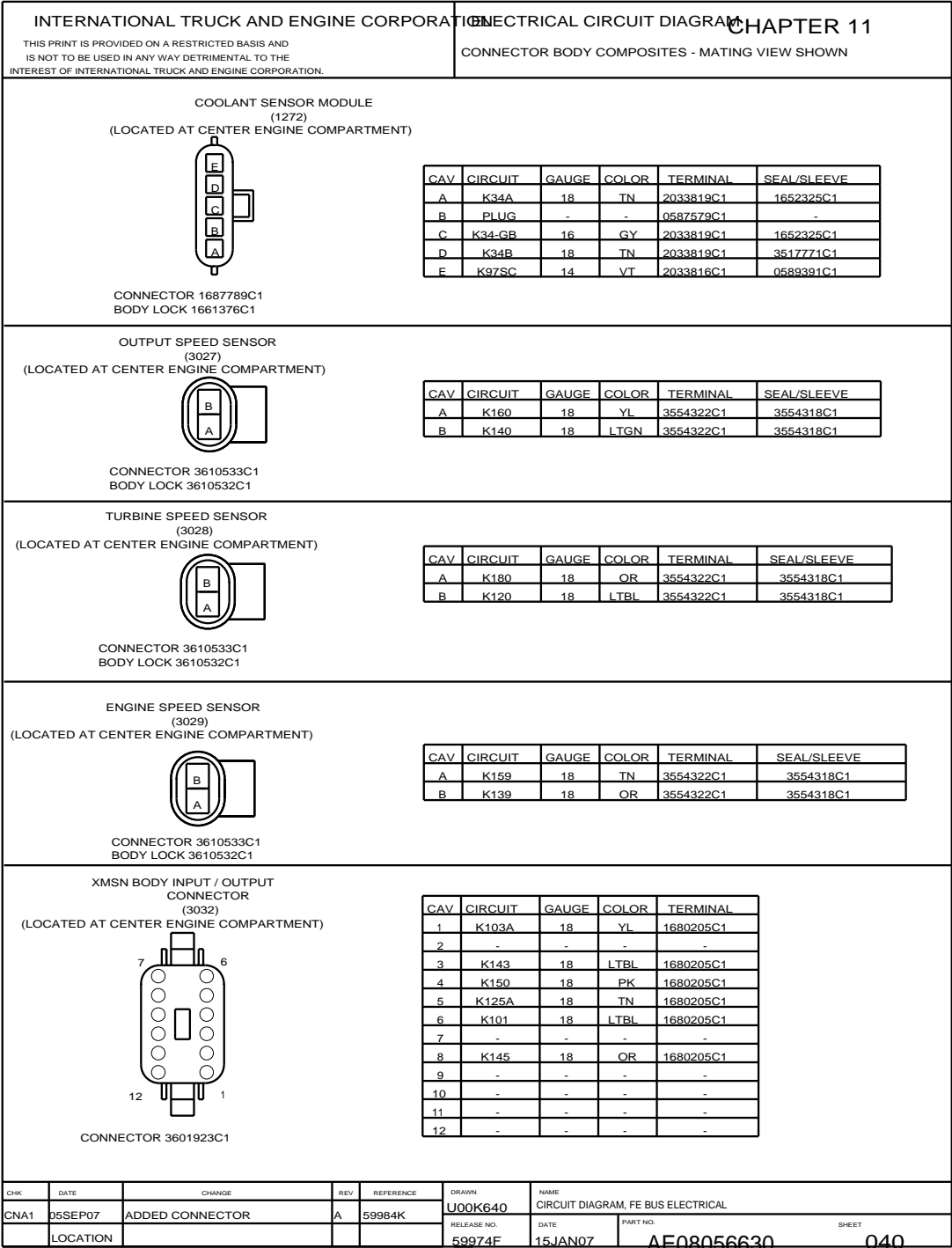


Figure 106 Connector Composites (1272), (3027), (3028), (3029), (3032)

11.41. CONNECTOR COMPOSITES (3036), P. 41

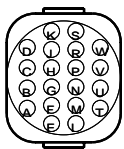
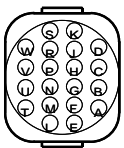
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|-----------------|-------|-----------|--|------------------------------------|--------|-----|-----------|-------|---------|-------|---------|-----------------|---|--------|---------|------------------------------------|-----------|---|------|----|------|-------------|----------|------|---|---|-----------|---|--------|------------|---|-----------|-----|------|----|------|-----------|----|------|----|----|-----------|-----------|------|----|----|-----------|----|------|----------|----|-----------|-----|------|----|----|-----------|----|------|----|----|-----------|---|-------|----|----|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|-----|---------|-------|-------|----------|---|-------|----|----|-----------|---|------|----|------|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|----|------|-----------|---|------|----|----|-----------|---|------|----|----|-----------|---|-------|----|----|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|---|------|---|---|-----------|
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| <p style="text-align: center;">XMSN / OVERLAY (3036) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 3522538C91 BODY LOCK 3518289C1</p>  <p style="text-align: center;">CONNECTOR 3522537C91 BODY LOCK 3518289C1</p> | | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A103F</td><td>18</td><td>YL</td><td>3518291C1</td></tr> <tr><td>B</td><td>A129</td><td>18</td><td>LTGN</td><td>3518291C1</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>E**</td><td>A121</td><td>18</td><td>LTGN</td><td>3518291C1</td></tr> <tr><td>E*</td><td>A121</td><td>18</td><td>PK</td><td>3518291C1</td></tr> <tr><td>F**</td><td>A124</td><td>18</td><td>WH</td><td>3518291C1</td></tr> <tr><td>F*</td><td>A124</td><td>18</td><td>PK</td><td>3518291C1</td></tr> <tr><td>G**</td><td>A142</td><td>18</td><td>WH</td><td>3518291C1</td></tr> <tr><td>G*</td><td>A142</td><td>18</td><td>YL</td><td>3518291C1</td></tr> <tr><td>H</td><td>A163A</td><td>18</td><td>PK</td><td>3518291C1</td></tr> <tr><td>J</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>K</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>L</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>M</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>N</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>P</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>R</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>S</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>T</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>U</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>V</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>W</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>K103F</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>B</td><td>K129</td><td>18</td><td>LTGN</td><td>3517243C1</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>E</td><td>K121</td><td>18</td><td>LTGN</td><td>3517243C1</td></tr> <tr><td>F</td><td>K124</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>G</td><td>K142</td><td>18</td><td>WH</td><td>3517243C1</td></tr> <tr><td>H</td><td>K163A</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>J</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>K</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>L</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>M</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>N</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>P</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>R</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>S</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>T</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>U</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>V</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>W</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> </tbody> </table> <p style="text-align: center; margin-top: 20px;">*W/ HYD BRAKES **W/ AIR BRAKES</p> | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | A103F | 18 | YL | 3518291C1 | B | A129 | 18 | LTGN | 3518291C1 | C | PLUG | - | - | 3518314C1 | D | PLUG | - | - | 3518314C1 | E** | A121 | 18 | LTGN | 3518291C1 | E* | A121 | 18 | PK | 3518291C1 | F** | A124 | 18 | WH | 3518291C1 | F* | A124 | 18 | PK | 3518291C1 | G** | A142 | 18 | WH | 3518291C1 | G* | A142 | 18 | YL | 3518291C1 | H | A163A | 18 | PK | 3518291C1 | J | PLUG | - | - | 3518314C1 | K | PLUG | - | - | 3518314C1 | L | PLUG | - | - | 3518314C1 | M | PLUG | - | - | 3518314C1 | N | PLUG | - | - | 3518314C1 | P | PLUG | - | - | 3518314C1 | R | PLUG | - | - | 3518314C1 | S | PLUG | - | - | 3518314C1 | T | PLUG | - | - | 3518314C1 | U | PLUG | - | - | 3518314C1 | V | PLUG | - | - | 3518314C1 | W | PLUG | - | - | 3518314C1 | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | K103F | 18 | YL | 3517243C1 | B | K129 | 18 | LTGN | 3517243C1 | C | PLUG | - | - | 3518314C1 | D | PLUG | - | - | 3518314C1 | E | K121 | 18 | LTGN | 3517243C1 | F | K124 | 18 | YL | 3517243C1 | G | K142 | 18 | WH | 3517243C1 | H | K163A | 18 | PK | 3517243C1 | J | PLUG | - | - | 3518314C1 | K | PLUG | - | - | 3518314C1 | L | PLUG | - | - | 3518314C1 | M | PLUG | - | - | 3518314C1 | N | PLUG | - | - | 3518314C1 | P | PLUG | - | - | 3518314C1 | R | PLUG | - | - | 3518314C1 | S | PLUG | - | - | 3518314C1 | T | PLUG | - | - | 3518314C1 | U | PLUG | - | - | 3518314C1 | V | PLUG | - | - | 3518314C1 | W | PLUG | - | - | 3518314C1 |
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| B | K129 | 18 | LTGN | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| G | K142 | 18 | WH | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | K163A | 18 | PK | 3517243C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| N | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| V | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | PLUG | - | - | 3518314C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CHK</th><th>DATE</th><th>CHANGE</th><th>REV</th><th>REFERENCE</th><th>DRAWN</th><th>NAME</th></tr> </thead> <tbody> <tr> <td>CNA1</td><td>05SEP07</td><td>ADDED CONNECTOR</td><td>A</td><td>59984K</td><td>U00K640</td><td>CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td></tr> <tr> <td colspan="5"></td><td>RELEASE NO.</td><td>PART NO.</td></tr> <tr> <td colspan="5"></td><td>59974F</td><td>AE08056630</td></tr> <tr> <td colspan="5"></td><td>DATE</td><td>SHEET</td></tr> <tr> <td colspan="5"></td><td>15 JAN 07</td><td>041</td></tr> <tr> <td colspan="5"></td><td>LOCATION</td><td></td></tr> </tbody> </table> | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | RELEASE NO. | PART NO. | | | | | | 59974F | AE08056630 | | | | | | DATE | SHEET | | | | | | 15 JAN 07 | 041 | | | | | | LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | RELEASE NO. | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | 15 JAN 07 | 041 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 107 Connector Composites (3036)

11.42. CONNECTOR COMPOSITES (3043), (3084), P. 42

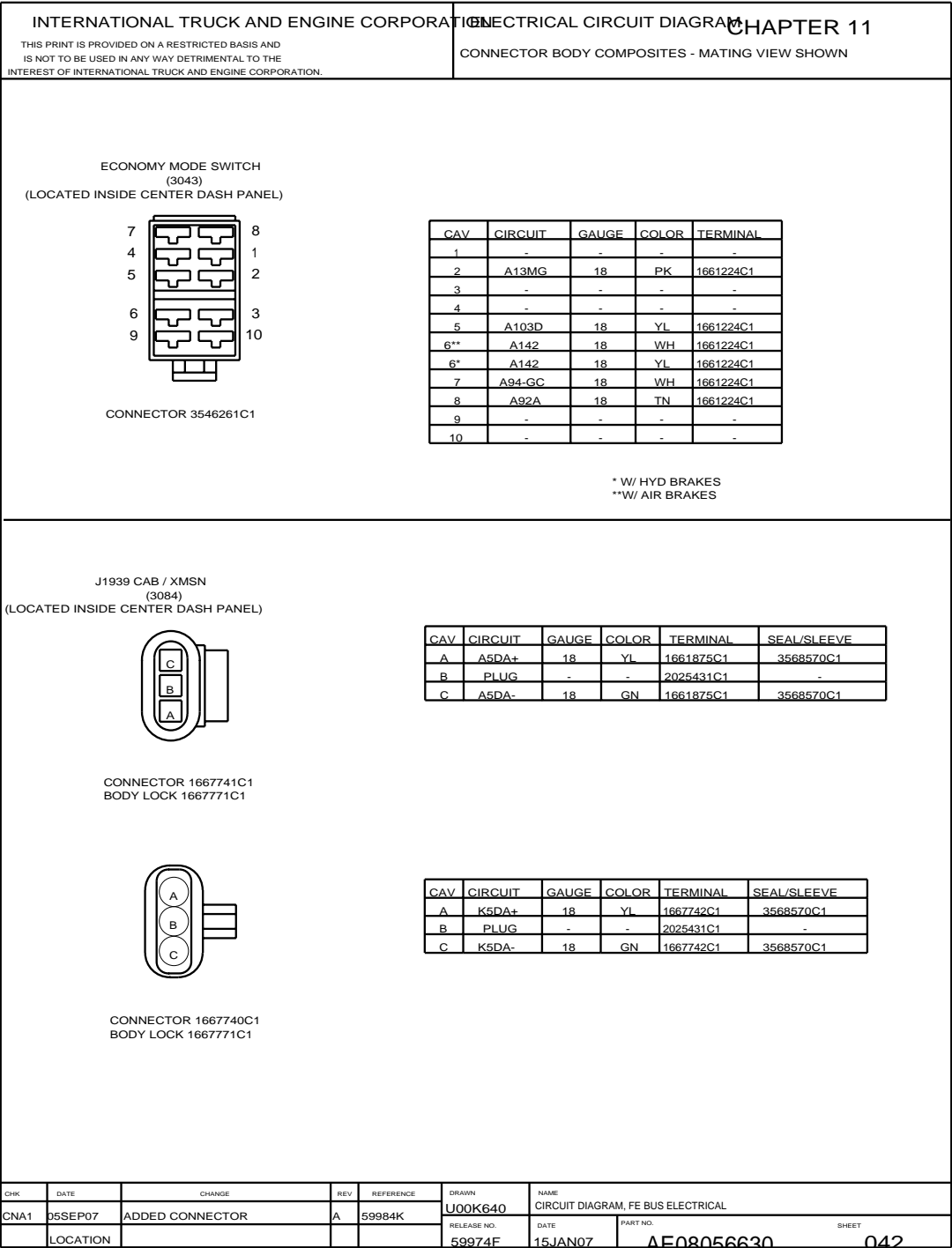


Figure 108 Connector Composites (3043), (3084)

11.43. CONNECTOR COMPOSITES (3084), (3084B), (3084R), P. 43

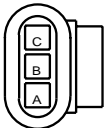
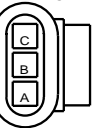

| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION. | | | | CONNECTOR BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center; font-size: 10px;">J1939 CAB / XMSN OVERLAY (3084) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p style="text-align: center; font-size: 10px;">CONNECTOR 1667741C1 BODY LOCK 1667771C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>A5DA+</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr> <td>B</td><td>PLUG</td><td>-</td><td>-</td><td>2025431C1</td><td>-</td></tr> <tr> <td>C</td><td>A5DA-</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table> </div> </div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | A5DA+ | 18 | YL | 1661875C1 | 3568570C1 | B | PLUG | - | - | 2025431C1 | - | C | A5DA- | 18 | GN | 1661875C1 | 3568570C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A5DA+ | 18 | YL | 1661875C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | |
| B | PLUG | - | - | 2025431C1 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| C | A5DA- | 18 | GN | 1661875C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | |
| A | A5DB+ | 18 | YL | 1661875C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | |
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| C | A5DB- | 18 | GN | 1661875C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | |
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| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K5DB+ | 18 | YL | 1667742C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | |
| B | PLUG | - | - | 2025431C1 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| C | K5DB- | 18 | GN | 1667742C1 | 3568570C1 | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | |
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Figure 109 Connector Composites (3084), (3084B), (3084R)

11.44. CONNECTOR COMPOSITES (3111), (3111M), (3112), P. 44

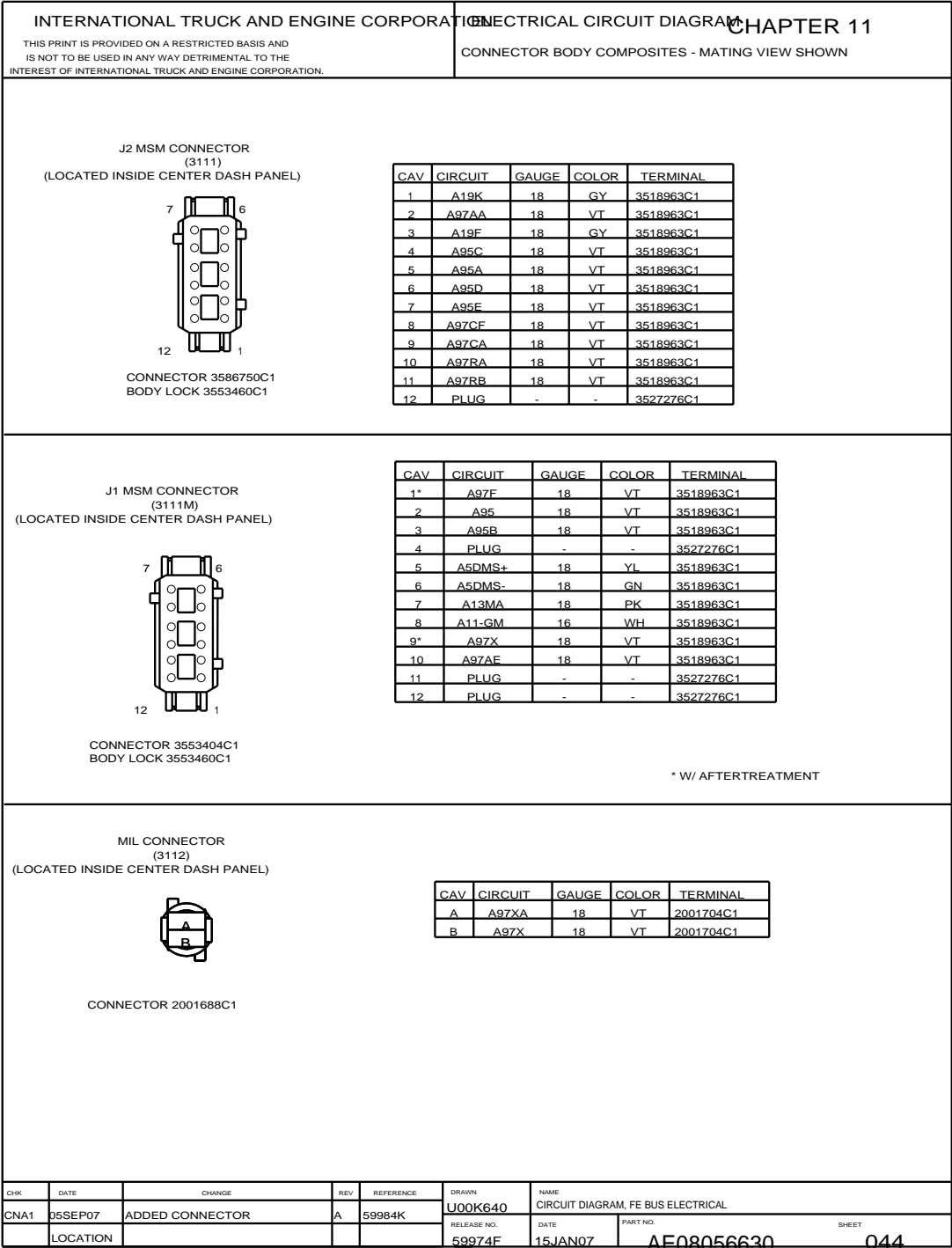


Figure 110 Connector Composites (3111), (3111M), (3112)

11.45. CONNECTOR COMPOSITES (3126), P. 45

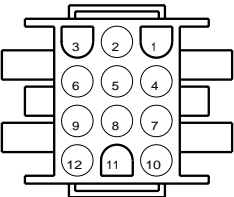
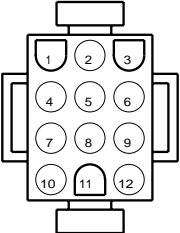
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>LIFT DOOR INTERLOCK CONNECTOR (3126) (LOCATED INSIDE CENTER DASH PANEL)</p>  <p>CONNECTOR 1669032C1</p> <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>A44HG</td><td>18</td><td>WH</td><td>1661536C1</td></tr><tr><td></td><td>A44PG</td><td>18</td><td>WH</td><td>1661536C1</td></tr><tr><td>2</td><td>A44HG</td><td>18</td><td>WH</td><td>1661538C1</td></tr><tr><td>3</td><td>A44PG</td><td>18</td><td>WH</td><td>1661538C1</td></tr><tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>  <p>CONNECTOR 1669031C1</p> <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>A44G</td><td>16</td><td>WH</td><td>1661539C1</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3</td><td>A44PG</td><td>16</td><td>WH</td><td>1661539C1</td></tr><tr><td>4</td><td>A44L</td><td>16</td><td>GY</td><td>1661539C1</td></tr><tr><td>5</td><td>A44M</td><td>16</td><td>GY</td><td>1661539C1</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></tbody></table> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | A44HG | 18 | WH | 1661536C1 | | A44PG | 18 | WH | 1661536C1 | 2 | A44HG | 18 | WH | 1661538C1 | 3 | A44PG | 18 | WH | 1661538C1 | 4 | - | - | - | - | 5 | - | - | - | - | 6 | - | - | - | - | 7 | - | - | - | - | 8 | - | - | - | - | 9 | - | - | - | - | 10 | - | - | - | - | 11 | - | - | - | - | 12 | - | - | - | - | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | A44G | 16 | WH | 1661539C1 | 2 | - | - | - | - | 3 | A44PG | 16 | WH | 1661539C1 | 4 | A44L | 16 | GY | 1661539C1 | 5 | A44M | 16 | GY | 1661539C1 | 6 | - | - | - | - | 7 | - | - | - | - | 8 | - | - | - | - | 9 | - | - | - | - | 10 | - | - | - | - | 11 | - | - | - | - | 12 | - | - | - | - |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A44HG | 18 | WH | 1661536C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A44PG | 18 | WH | 1661536C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | A44HG | 18 | WH | 1661538C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A44PG | 18 | WH | 1661538C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | A44G | 16 | WH | 1661539C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | A44PG | 16 | WH | 1661539C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | A44L | 16 | GY | 1661539C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | A44M | 16 | GY | 1661539C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | AE08056630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 111 Connector Composites (3126)

11.46. CONNECTOR COMPOSITES (6011), (6012), (6013), P. 46

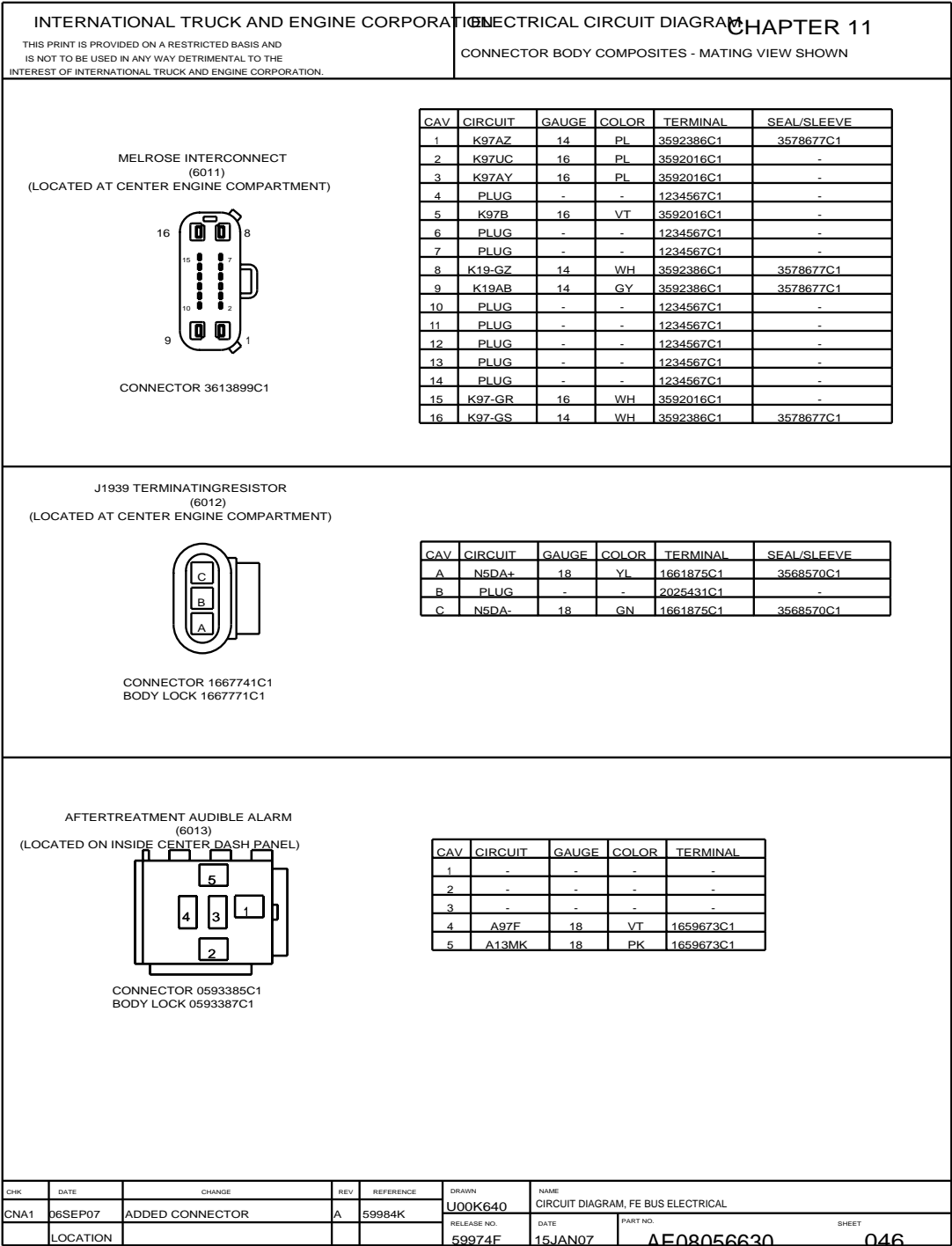


Figure 112 Connector Composites (6011), (6012), (6013)

11.47. CONNECTOR COMPOSITES (6020), P. 47

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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

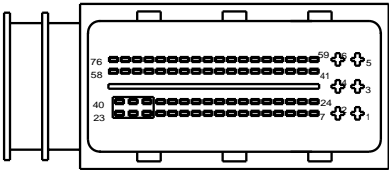
ELECTRICAL CIRCUIT DIAGRAM

CONNECTOR BODY COMPOSITES - MATING VIEW SHOWN

CHAPTER 11

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| 1 | K97FA | 14 | PL | 3613275C1 | 3509903C1 |
| 2 | K97-GV | 14 | WH | 3613275C1 | 3509903C1 |
| 3 | K97FB | 16 | PL | 3613275C1 | 3509903C1 |
| 4 | K97-GW | 14 | WH | 3613275C1 | 3509903C1 |
| 5 | K97FC | 14 | PL | 3613275C1 | 3509903C1 |
| 6 | K97-GA | 14 | WH | 3613275C1 | 3509903C1 |
| 7 | K17L | 18 | PK | 3612254C1 | N/A |
| 8 | K95K | 18 | GY | 3612254C1 | N/A |
| 9 | PLUG | - | - | 3612253C1 | N/A |
| 10 | K3AA- | 18 | GY | 3612254C1 | N/A |
| 11 | PLUG | - | - | 3612253C1 | N/A |
| 12 | PLUG | - | - | 3612253C1 | N/A |
| 13 | PLUG | - | - | 3612253C1 | N/A |
| 14 | PLUG | - | - | 3612253C1 | N/A |
| 15 | PLUG | - | - | 3612253C1 | N/A |
| 16 | PLUG | - | - | 3612253C1 | N/A |
| 17 | K95J | 18 | GY | 3612254C1 | N/A |
| 18 | PLUG | - | - | 3612253C1 | N/A |
| 19 | K95H | 18 | GY | 3612254C1 | N/A |
| 20 | PLUG | - | - | 3612253C1 | N/A |
| 21 | K97AF | 16 | GY | 3612254C1 | N/A |
| 22 | K97T | 16 | GY | 3612254C1 | N/A |
| 23 | PLUG | - | - | 3612253C1 | N/A |
| 24 | PLUG | - | - | 3612253C1 | N/A |
| 25 | K3AA+ | 18 | DKBL | 3612254C1 | N/A |
| 26 | PLUG | - | - | 3612253C1 | N/A |
| 27 | PLUG | - | - | 3612253C1 | N/A |
| 28 | PLUG | - | - | 3612253C1 | N/A |
| 29 | PLUG | - | - | 3612253C1 | N/A |
| 30 | K97M | 18 | PL | 3612254C1 | N/A |
| 31 | K97UB | 18 | PL | 3612254C1 | N/A |
| 32 | PLUG | - | - | 3612253C1 | N/A |
| 33 | K99B | 18 | PL | 3612254C1 | N/A |
| 34 | K97R | 18 | VT | 3612254C1 | N/A |
| 35 | PLUG | - | - | 3612253C1 | N/A |
| 36 | PLUG | - | - | 3612253C1 | N/A |
| 37 | K97ZD | 18 | PL | 3612254C1 | N/A |
| 38 | PLUG | - | - | 3612253C1 | N/A |
| 39 | K23-GD | 16 | WH | 3612254C1 | N/A |
| 40 | PLUG | - | - | 3612253C1 | N/A |
| 41 | PLUG | - | - | 3612253C1 | N/A |
| 42 | K34B | 18 | TN | 3612254C1 | N/A |
| 43 | PLUG | - | - | 3612253C1 | N/A |
| 44 | PLUG | - | - | 3612253C1 | N/A |
| 45 | K97UD | 18 | PL | 3612254C1 | N/A |
| 46 | PLUG | - | - | 3612253C1 | N/A |
| 47 | K99D | 18 | PL | 3612254C1 | N/A |
| 48 | PLUG | - | - | 3612253C1 | N/A |
| 49 | PLUG | - | - | 3612253C1 | N/A |
| 50 | PLUG | - | - | 3612253C1 | N/A |
| 51 | K97 | 18 | PL | 3612254C1 | N/A |

ECM
(6020)
(LOCATED AT CENTER ENGINE COMPARTMENT)



CONNECTOR 3612247C1
BODY LOCK1 3612248C1
BODY LOCK2 3612249C1

| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE |
|-----|---------|-------|-------|-----------|-------------|
| 52 | PLUG | - | - | 3612253C1 | N/A |
| 53 | PLUG | - | - | 3612253C1 | N/A |
| 54 | K#125 | 18 | GY | 3612254C1 | N/A |
| 55 | PLUG | - | - | 3612253C1 | N/A |
| 56 | PLUG | - | - | 3612253C1 | N/A |
| 57 | PLUG | - | - | 3612253C1 | N/A |
| 58 | K23A | 18 | WH | 3612254C1 | N/A |
| 59 | PLUG | - | - | 3612253C1 | N/A |
| 60 | PLUG | - | - | 3612253C1 | N/A |
| 61 | K5A+ | 18 | YL | 3612254C1 | N/A |
| 62 | K5A- | 18 | GN | 3612254C1 | N/A |
| 63 | K97C | 18 | VT | 3612254C1 | N/A |
| 64 | PLUG | - | - | 3612253C1 | N/A |
| 65 | K#141 | 18 | TN | 3612254C1 | N/A |
| 66 | K97S | 18 | PL | 3612254C1 | N/A |
| 67 | K95L | 18 | GY | 3612254C1 | N/A |
| 68 | PLUG | - | - | 3612253C1 | N/A |
| 69 | K97N | 18 | PL | 3612254C1 | N/A |
| 70 | K97Y | 18 | PL | 3612254C1 | N/A |
| 71 | PLUG | - | - | 3612253C1 | N/A |
| 72 | PLUG | - | - | 3612253C1 | N/A |
| 73 | PLUG | - | - | 3612253C1 | N/A |
| 74 | PLUG | - | - | 3612253C1 | N/A |
| 75 | PLUG | - | - | 3612253C1 | N/A |
| 76 | PLUG | - | - | 3612253C1 | N/A |

| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME |
|----------|---------|-----------------|-------|-----------|---------|------------------------------------|
| CNA1 | 06SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL |
| LOCATION | DATE | PART NO. | SHEET | | | |
| | 15JAN07 | AE08056630 | 047 | | | |

Figure 113 Connector Composites (6020)

11.48. CONNECTOR COMPOSITES (6260), (6261), (6262), (6263), P. 48

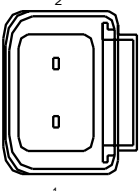
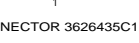
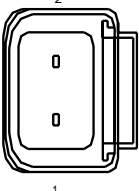
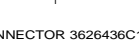
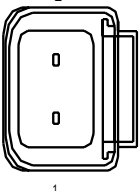
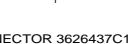
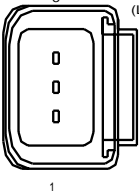
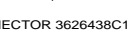
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|-----------------|-------|---|-------------|------------------------------------|----------------|-----|---------|-------|-------|----------|---|-------|----|----|-----------|---|------|----|----|-----------|---|-----|----|----|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; align-items: center;">  <div> <p style="margin: 0;">DIESEL OXIDATION CATALYST TEMPERATURE (6260) (LOCATED AT RIGHT FRAME RAIL)</p> </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K95F4</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>B</td> <td>K95K</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> </tbody> </table> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | K95F4 | 18 | TN | 3573077C1 | B | K95K | 18 | TN | 3573077C1 | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | |
| A | K95F4 | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
| B | K95K | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>CONNECTOR 3626435C1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; align-items: center;">  <div> <p style="margin: 0;">DIESEL PARTICULATE INLET TEMPERATURE (6261) (LOCATED AT RIGHT FRAME RAIL)</p> </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K95F3</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>2</td> <td>K95J</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> </tbody> </table> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | K95F3 | 18 | TN | 3573077C1 | 2 | K95J | 18 | TN | 3573077C1 | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K95F3 | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K95J | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>CONNECTOR 3626436C1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; align-items: center;">  <div> <p style="margin: 0;">DIESEL PARTICULATE OUTLET TEMPERATURE (6262) (LOCATE AT RIGHT FRAME RAIL)</p> </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K95F2</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>2</td> <td>K95L</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> </tbody> </table> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | K95F2 | 18 | TN | 3573077C1 | 2 | K95L | 18 | TN | 3573077C1 | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K95F2 | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K95L | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>CONNECTOR 3626437C1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; align-items: center;">  <div> <p style="margin: 0;">EXHAUST DPFDP SENSOR (6263) (LOCATED AT RIGHT FRAME RAIL)</p> </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K95F1</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>2</td> <td>K95H</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>3</td> <td>K97</td> <td>18</td> <td>PL</td> <td>3573077C1</td> </tr> </tbody> </table> | | | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | K95F1 | 18 | TN | 3573077C1 | 2 | K95H | 18 | TN | 3573077C1 | 3 | K97 | 18 | PL | 3573077C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K95F1 | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K95H | 18 | TN | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | K97 | 18 | PL | 3573077C1 | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>CONNECTOR 3626438C1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | |
| | | LOCATION | | | RELEASE NO. | DATE | PART NO. SHEET | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15JAN07 | AE08056630 048 | | | | | | | | | | | | | | | | | | | | |

Figure 114 Connector Composites (6260), (6261), (6262), (6263)

11.49. CONNECTOR COMPOSITES (6323), (6334), (6400), (6406), (6703), P. 49

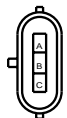
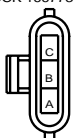

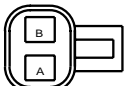
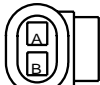
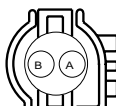
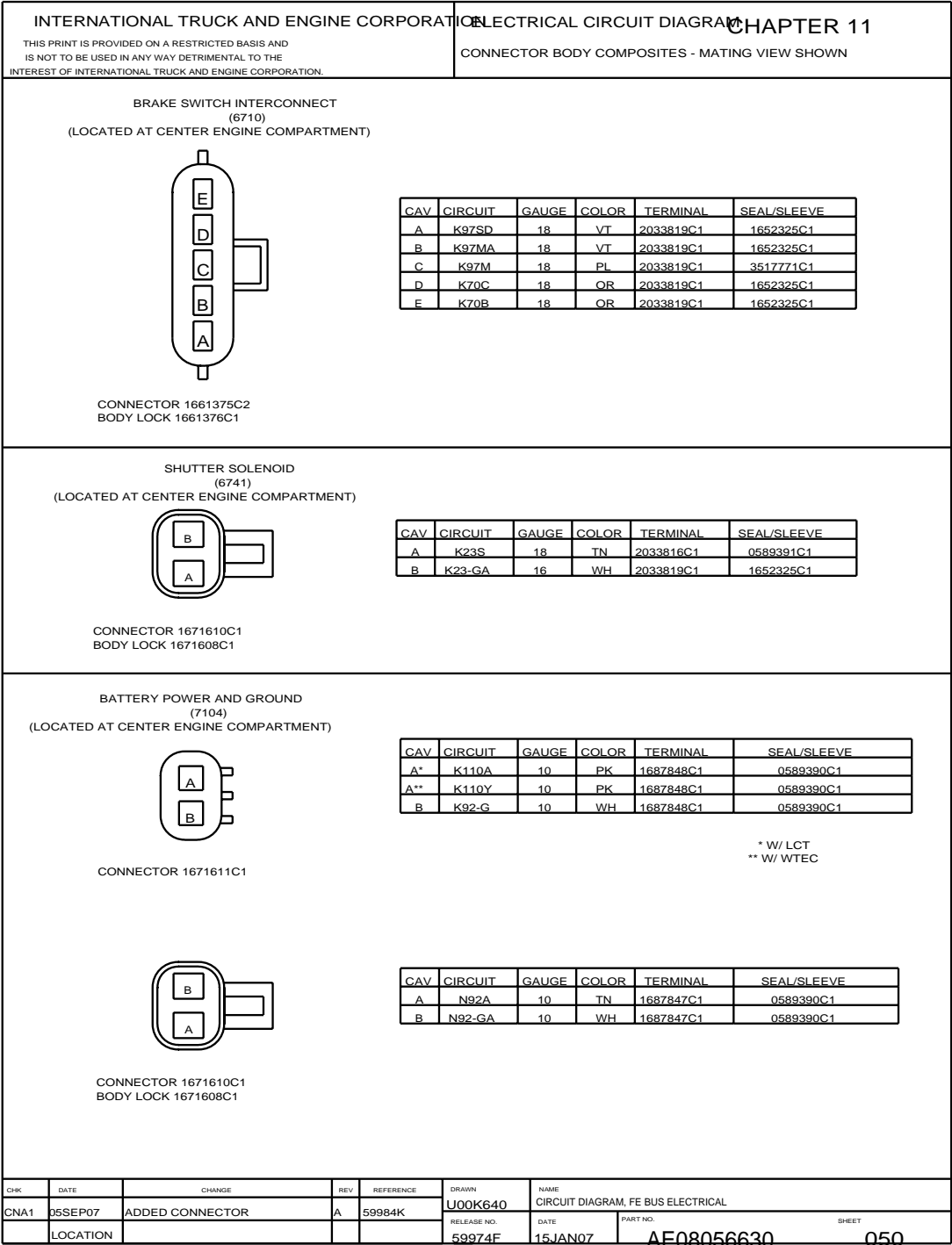
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|-----------------------|-------|--|-------------|------------------------------------|----------------|-----|---------|-------|-------|----------|-------------|--------|-------|----|-----------|-----------|-----------|----|-------|-----------|----|-----------|-----------|---|------|----|----|-----------|-----------|-----|---------|-------|-------|----------|-------------|---|-------|----|----|-----------|-----------|---|--------|----|----|-----------|-----------|---|-------|----|----|-----------|-----------|
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">ECM POWER AND GROUND (6323) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>K97HB</td><td>10</td><td>VT</td><td>2025425C1</td><td>1667735C1</td></tr> <tr> <td>B</td><td>K97-G</td><td>10</td><td>WH</td><td>2025425C1</td><td>1667735C1</td></tr> <tr> <td>C</td><td>K97X</td><td>10</td><td>PL</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>N97AB</td><td>10</td><td>VT</td><td>1667737C1</td><td>1667735C1</td></tr> <tr> <td>B</td><td>N97-GC</td><td>10</td><td>WH</td><td>1667737C1</td><td>1667735C1</td></tr> <tr> <td>C</td><td>N97AA</td><td>10</td><td>VT</td><td>1667737C1</td><td>1667735C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K97HB | 10 | VT | 2025425C1 | 1667735C1 | B | K97-G | 10 | WH | 2025425C1 | 1667735C1 | C | K97X | 10 | PL | 2025425C1 | 1667735C1 | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | N97AB | 10 | VT | 1667737C1 | 1667735C1 | B | N97-GC | 10 | WH | 1667737C1 | 1667735C1 | C | N97AA | 10 | VT | 1667737C1 | 1667735C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K97HB | 10 | VT | 2025425C1 | 1667735C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K97-G | 10 | WH | 2025425C1 | 1667735C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | K97X | 10 | PL | 2025425C1 | 1667735C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | N97AB | 10 | VT | 1667737C1 | 1667735C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | N97-GC | 10 | WH | 1667737C1 | 1667735C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | N97AA | 10 | VT | 1667737C1 | 1667735C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">ECM GROUND CONNECTOR (6334) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 3594310C91 BODY LOCK 1667640C91</p> | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td>A</td><td>K97-GG</td><td>10</td><td>WH</td><td>1661233C1</td></tr> <tr> <td>B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | K97-GG | 10 | WH | 1661233C1 | B | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K97-GG | 10 | WH | 1661233C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">LOW COOLANT SENSOR (6400) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 1671610C1 BODY LOCK 1671608C1</p> | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>K34A</td><td>18</td><td>TN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>K34-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K34A | 18 | TN | 2033819C1 | 1652325C1 | B | K34-G | 16 | WH | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K34A | 18 | TN | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K34-G | 16 | WH | 2033819C1 | 1652325C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">ELECTRIC FAN (6406) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 3522068C1 BODY LOCK 1661874C1</p> | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>K23</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>K23-G</td><td>18</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | A | K23 | 18 | TN | 1661875C1 | 1661872C1 | B | K23-G | 18 | WH | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | SEAL/SLEEVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K23 | 18 | TN | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K23-G | 18 | WH | 1661875C1 | 1661872C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">AMBIENT AIR TEMPERATURE (6703) (LOCATED AT CENTER ENGINE COMPARTMENT)</p>  <p style="text-align: center;">CONNECTOR 1689462C1 BODY LOCK 1689463C1</p> | | | | <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr> <td>A</td><td>K97E</td><td>16</td><td>VT</td><td>1689464C1</td></tr> <tr> <td>B</td><td>K97SA</td><td>16</td><td>VT</td><td>1689464C1</td></tr> </tbody> </table> | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | A | K97E | 16 | VT | 1689464C1 | B | K97SA | 16 | VT | 1689464C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | K97E | 16 | VT | 1689464C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | K97SA | 16 | VT | 1689464C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 06SEP07 | ADDED CONN. LOCATION; | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REVISED PART NO. FOR R/D 6406. | | | | 59974F | DATE | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 15JAN07 | AE08056630 049 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 115 Connector Composites (6323), (6334), (6400), (6406), (6703)

11.50. CONNECTOR COMPOSITES (6710), (6741), (7104), P. 50



11.51. CONNECTOR COMPOSITES (7150), P. 51

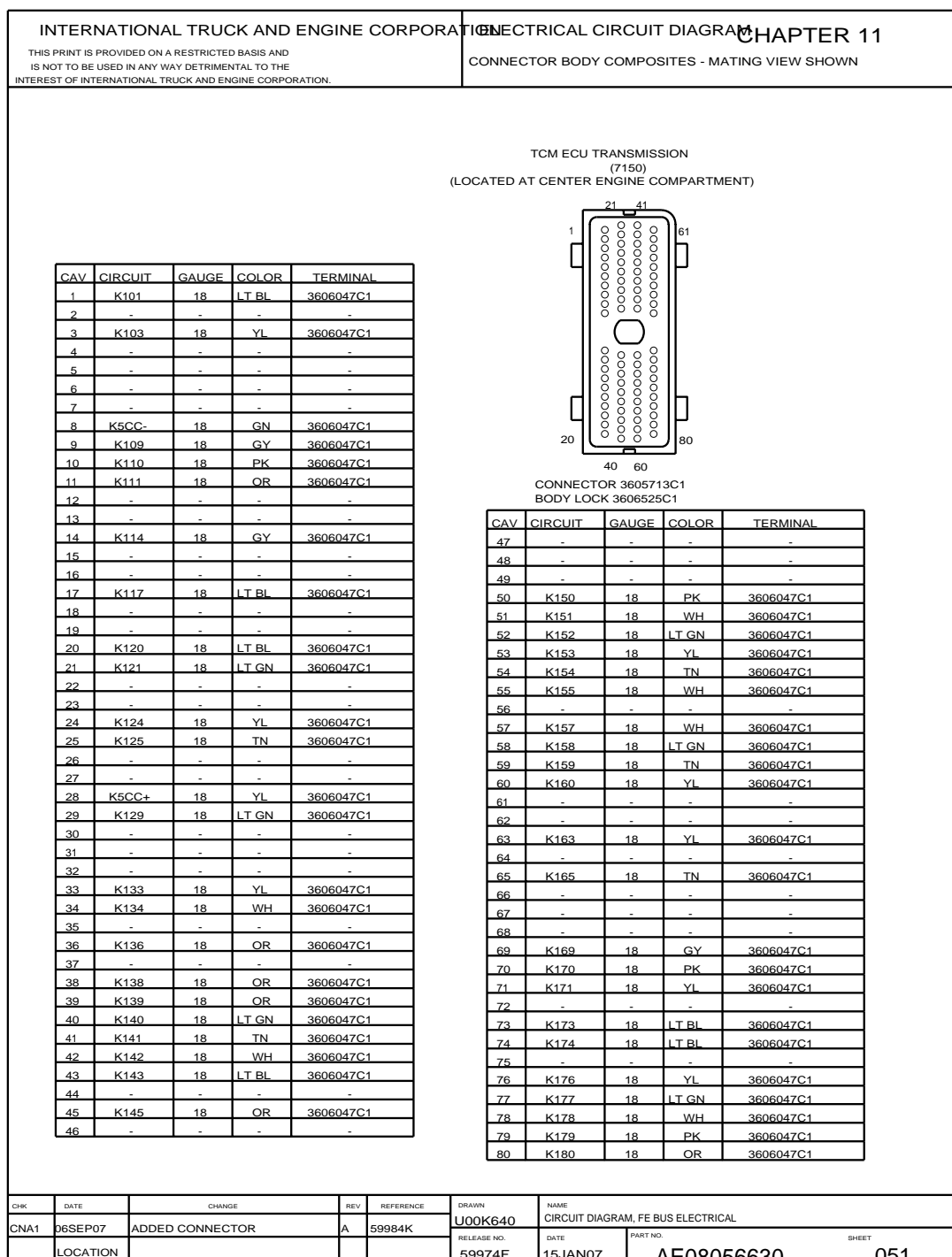


Figure 117 Connector Composites (7150)

11.52. CONNECTOR COMPOSITES (7203A), P. 52

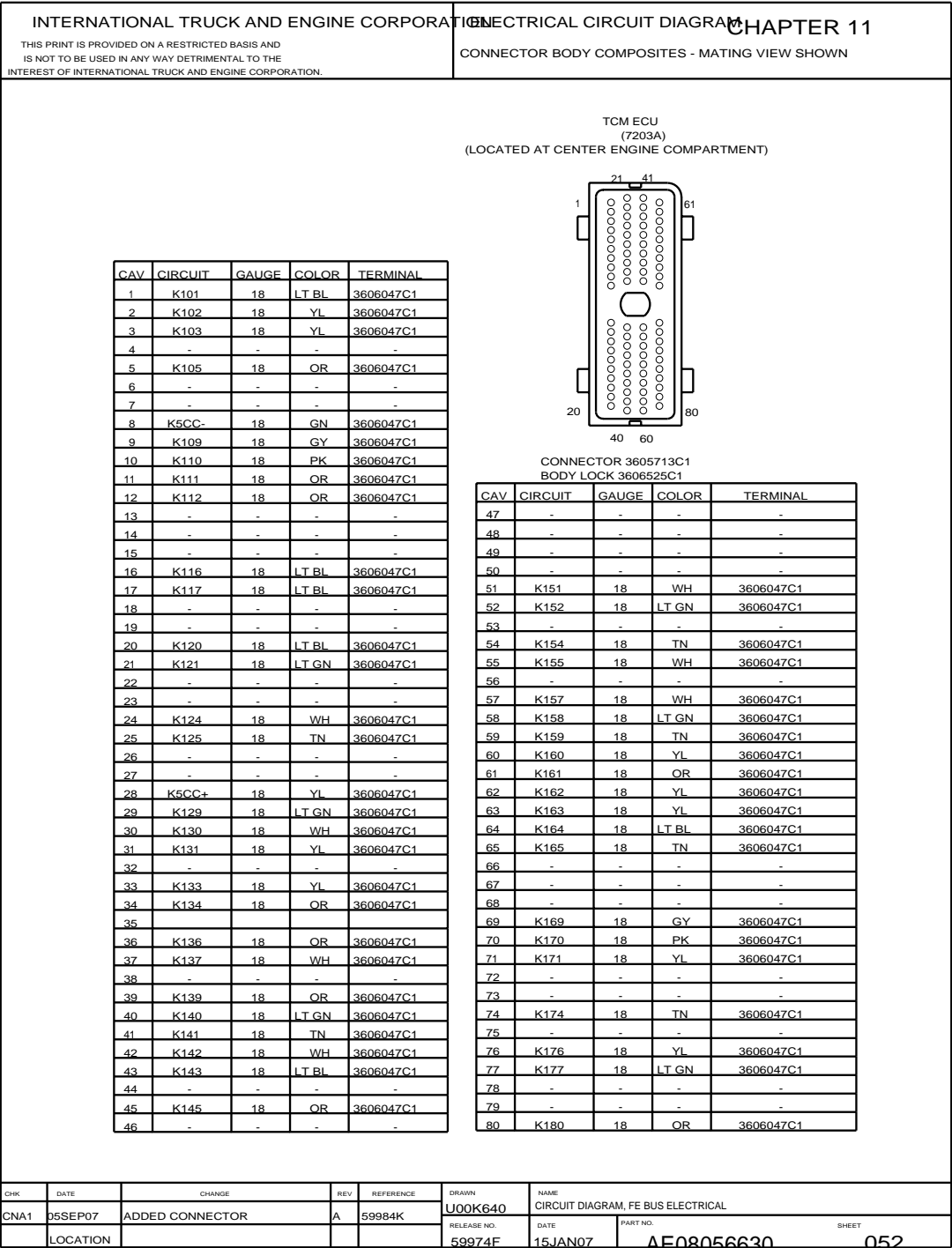


Figure 118 Connector Composites (7203A)

11.53. CONNECTOR COMPOSITES (7250), (7350), P. 53

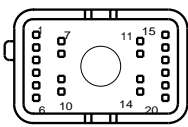
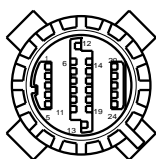
| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|-----------------|-------|---|-------------|------------------------------------|---------|--------|-------|-----------|-------|------|------|---------|-----------------|---|--------|---------|------------------------------------|-----------|----------|------|----|------|-------------|------|------|----|------|-----------|---|--------|-----------|------|-----------|---|------|----|----------|-----------|---|------|----|----|-----------|------------|------|----|----|-----------|---|------|----|------|-----------|----|------|----|----|-----------|----|------|----|------|-----------|----|------|----|----|-----------|----|------|----|----|-----------|----|------|----|------|-----------|----|------|----|------|-----------|----|------|----|----|-----------|----|------|----|----|-----------|----|------|----|----|-----------|----|------|----|------|-----------|----|------|----|----|-----------|----|------|----|----|-----------|----|------|----|------|-----------|----|------|----|----|-----------|----|------|----|----|-----------|
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| <div style="display: flex; justify-content: space-between;"><div style="width: 45%; text-align: center;"><p>XMSN BULKHEAD (7250) (LOCATED AT CENTER ENGINE COMPARTMENT)</p><p>CONNECTOR 3605715C1 BODY LOCK 3606532C1</p></div><div style="width: 50%;"><table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>K111</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>2</td><td>K155</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>3</td><td>K177</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>4</td><td>K136</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>5</td><td>K152</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>6</td><td>K171</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>K174</td><td>18</td><td>TN</td><td>3606047C1</td></tr><tr><td>9</td><td>K133</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>10</td><td>K151</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>11</td><td>K131</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>12</td><td>K137</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>13</td><td>K180</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>14</td><td>K120</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>15</td><td>K116</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>16</td><td>K112</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>17</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>18</td><td>K154</td><td>18</td><td>TN</td><td>3606047C1</td></tr><tr><td>19</td><td>K158</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>20</td><td>K176</td><td>18</td><td>YL</td><td>3606047C1</td></tr></tbody></table></div></div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | K111 | 18 | OR | 3606047C1 | 2 | K155 | 18 | WH | 3606047C1 | 3 | K177 | 18 | LTGN | 3606047C1 | 4 | K136 | 18 | OR | 3606047C1 | 5 | K152 | 18 | LTGN | 3606047C1 | 6 | K171 | 18 | YL | 3606047C1 | 7 | - | - | - | - | 8 | K174 | 18 | TN | 3606047C1 | 9 | K133 | 18 | YL | 3606047C1 | 10 | K151 | 18 | WH | 3606047C1 | 11 | K131 | 18 | YL | 3606047C1 | 12 | K137 | 18 | WH | 3606047C1 | 13 | K180 | 18 | OR | 3606047C1 | 14 | K120 | 18 | LTBL | 3606047C1 | 15 | K116 | 18 | LTBL | 3606047C1 | 16 | K112 | 18 | OR | 3606047C1 | 17 | - | - | - | - | 18 | K154 | 18 | TN | 3606047C1 | 19 | K158 | 18 | LTGN | 3606047C1 | 20 | K176 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K111 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K155 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | K177 | 18 | LTGN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | K136 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | K152 | 18 | LTGN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | K171 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | K174 | 18 | TN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | K133 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | K151 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | K131 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | K137 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | K180 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | K120 | 18 | LTBL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | K116 | 18 | LTBL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | K112 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | K154 | 18 | TN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | K158 | 18 | LTGN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | K176 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"><div style="width: 45%; text-align: center;"><p>XMSN BULKHEAD (7350) (LOCATED AT CENTER ENGINE COMPARTMENT)</p><p>CONNECTOR 3605714C1 BODY LOCK 3606526C1</p></div><div style="width: 50%;"><table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>K152</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>2</td><td>K133</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>3</td><td>K151</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>4</td><td>K117</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>6</td><td>K157</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>7</td><td>K179</td><td>18</td><td>PK</td><td>3606047C1</td></tr><tr><td>8</td><td>K154</td><td>18</td><td>TN</td><td>3606047C1</td></tr><tr><td>9</td><td>K158</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>10</td><td>K178</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>11</td><td>K177</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>13</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>14</td><td>K111</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>15</td><td>K155</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>16</td><td>K171</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>17</td><td>K136</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>18</td><td>K138</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>19</td><td>K174</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>20</td><td>K114</td><td>18</td><td>GY</td><td>3606047C1</td></tr><tr><td>21</td><td>K153</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>22</td><td>K173</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>23</td><td>K134</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>24</td><td>K176</td><td>18</td><td>YL</td><td>3606047C1</td></tr></tbody></table></div></div> | | | | | | CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | 1 | K152 | 18 | LTGN | 3606047C1 | 2 | K133 | 18 | YL | 3606047C1 | 3 | K151 | 18 | WH | 3606047C1 | 4 | K117 | 18 | LTBL | 3606047C1 | 5 | - | - | - | - | 6 | K157 | 18 | WH | 3606047C1 | 7 | K179 | 18 | PK | 3606047C1 | 8 | K154 | 18 | TN | 3606047C1 | 9 | K158 | 18 | LTGN | 3606047C1 | 10 | K178 | 18 | WH | 3606047C1 | 11 | K177 | 18 | LTGN | 3606047C1 | 12 | - | - | - | - | 13 | - | - | - | - | 14 | K111 | 18 | OR | 3606047C1 | 15 | K155 | 18 | WH | 3606047C1 | 16 | K171 | 18 | YL | 3606047C1 | 17 | K136 | 18 | OR | 3606047C1 | 18 | K138 | 18 | OR | 3606047C1 | 19 | K174 | 18 | LTBL | 3606047C1 | 20 | K114 | 18 | GY | 3606047C1 | 21 | K153 | 18 | YL | 3606047C1 | 22 | K173 | 18 | LTBL | 3606047C1 | 23 | K134 | 18 | WH | 3606047C1 | 24 | K176 | 18 | YL | 3606047C1 |
| CAV | CIRCUIT | GAUGE | COLOR | TERMINAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | K152 | 18 | LTGN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | K133 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | K151 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | K117 | 18 | LTBL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 6 | K157 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | K179 | 18 | PK | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | K154 | 18 | TN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | K158 | 18 | LTGN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | K178 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | K177 | 18 | LTGN | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 14 | K111 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | K155 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | K171 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | K136 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | K138 | 18 | OR | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | K174 | 18 | LTBL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | K114 | 18 | GY | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | K153 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | K173 | 18 | LTBL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | K134 | 18 | WH | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | K176 | 18 | YL | 3606047C1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"><tr><td style="width: 10%;">CHK</td><td style="width: 10%;">DATE</td><td style="width: 20%;">CHANGE</td><td style="width: 10%;">REV</td><td style="width: 10%;">REFERENCE</td><td style="width: 10%;">DRAWN</td><td style="width: 30%;">NAME</td></tr><tr><td>CNA1</td><td>05SEP07</td><td>ADDED CONNECTOR</td><td>A</td><td>59984K</td><td>U00K640</td><td>CIRCUIT DIAGRAM, FE BUS ELECTRICAL</td></tr><tr><td></td><td>LOCATION</td><td></td><td></td><td></td><td>RELEASE NO.</td><td>DATE</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>59974F</td><td>15 JAN 07</td></tr><tr><td colspan="5"></td><td>PART NO.</td><td>SHEET</td></tr><tr><td colspan="5"></td><td>AE08056630</td><td>053</td></tr></table> | | | | | | CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | LOCATION | | | | RELEASE NO. | DATE | | | | | | 59974F | 15 JAN 07 | | | | | | PART NO. | SHEET | | | | | | AE08056630 | 053 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LOCATION | | | | RELEASE NO. | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 59974F | 15 JAN 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | PART NO. | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | AE08056630 | 053 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Figure 119 Connector Composites (7250), (7350)

11.54. CONNECTOR COMPOSITES (9254), (9255), (9258), P. 54

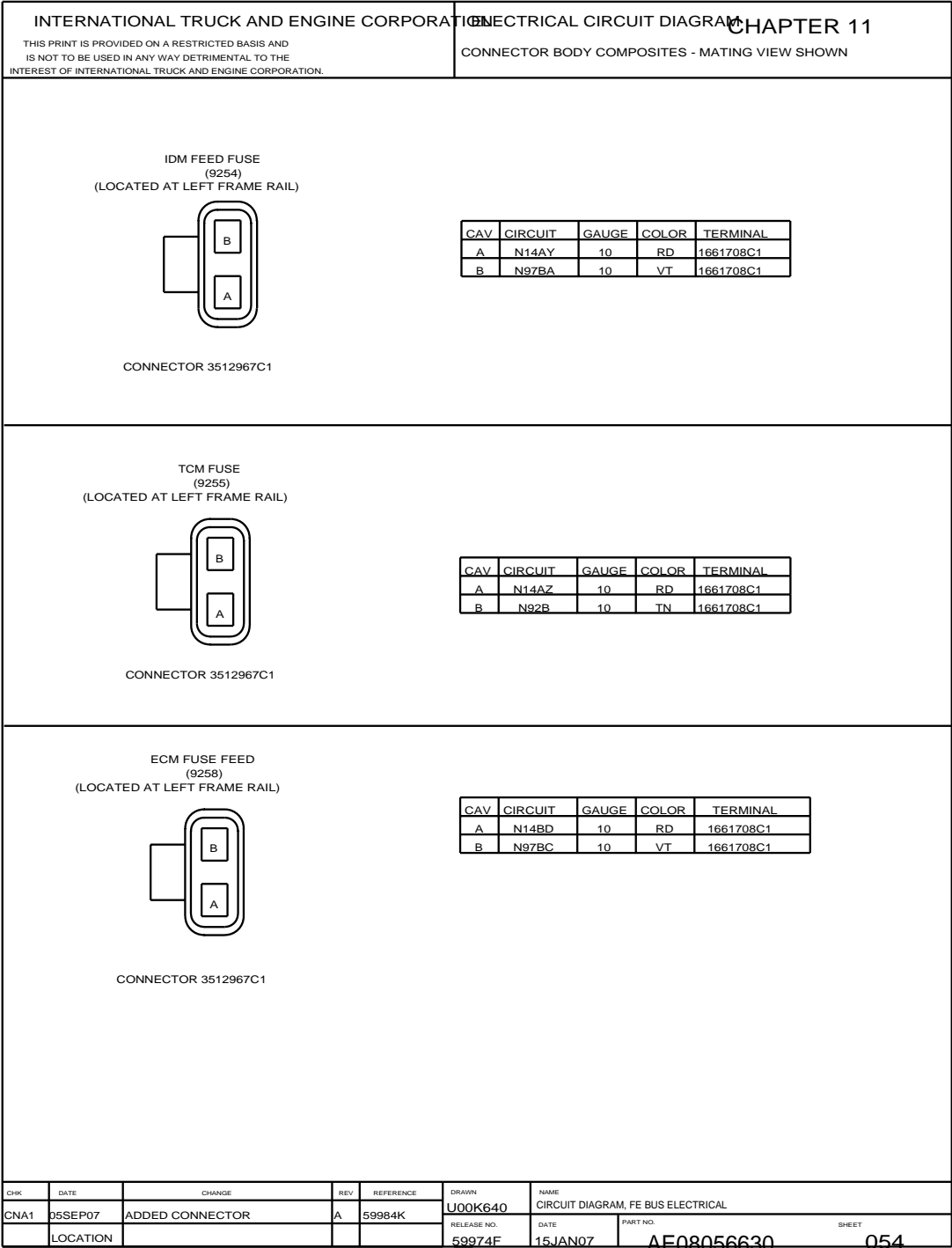


Figure 120 Connector Composites (9254), (9255), (9258)

11.55. CONNECTOR COMPOSITES (9261), (9500), P. 55

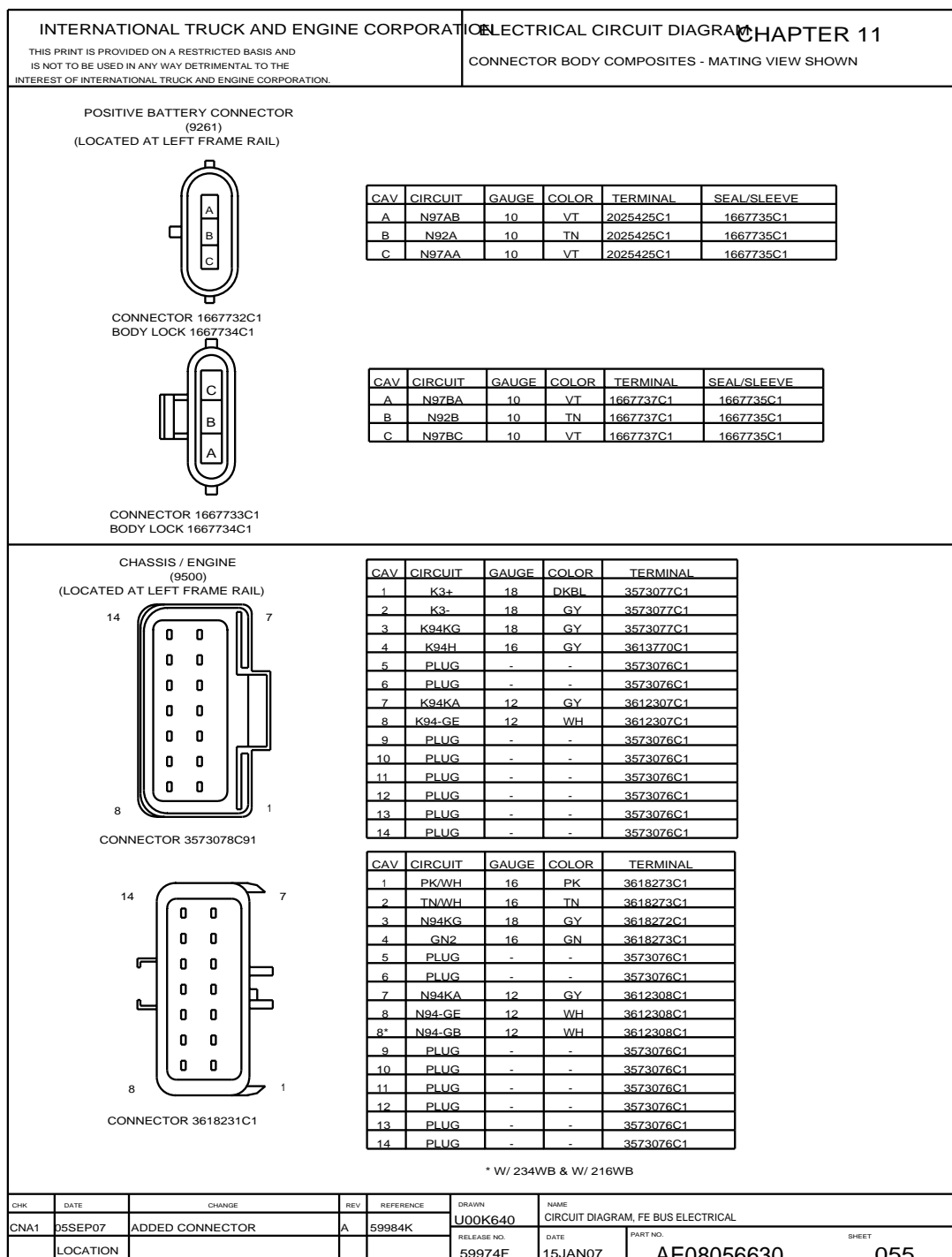


Figure 121 Connector Composites (9261), (9500)

11.56. CONNECTOR COMPOSITES (9550), (9551), (9553), (9777), P. 56

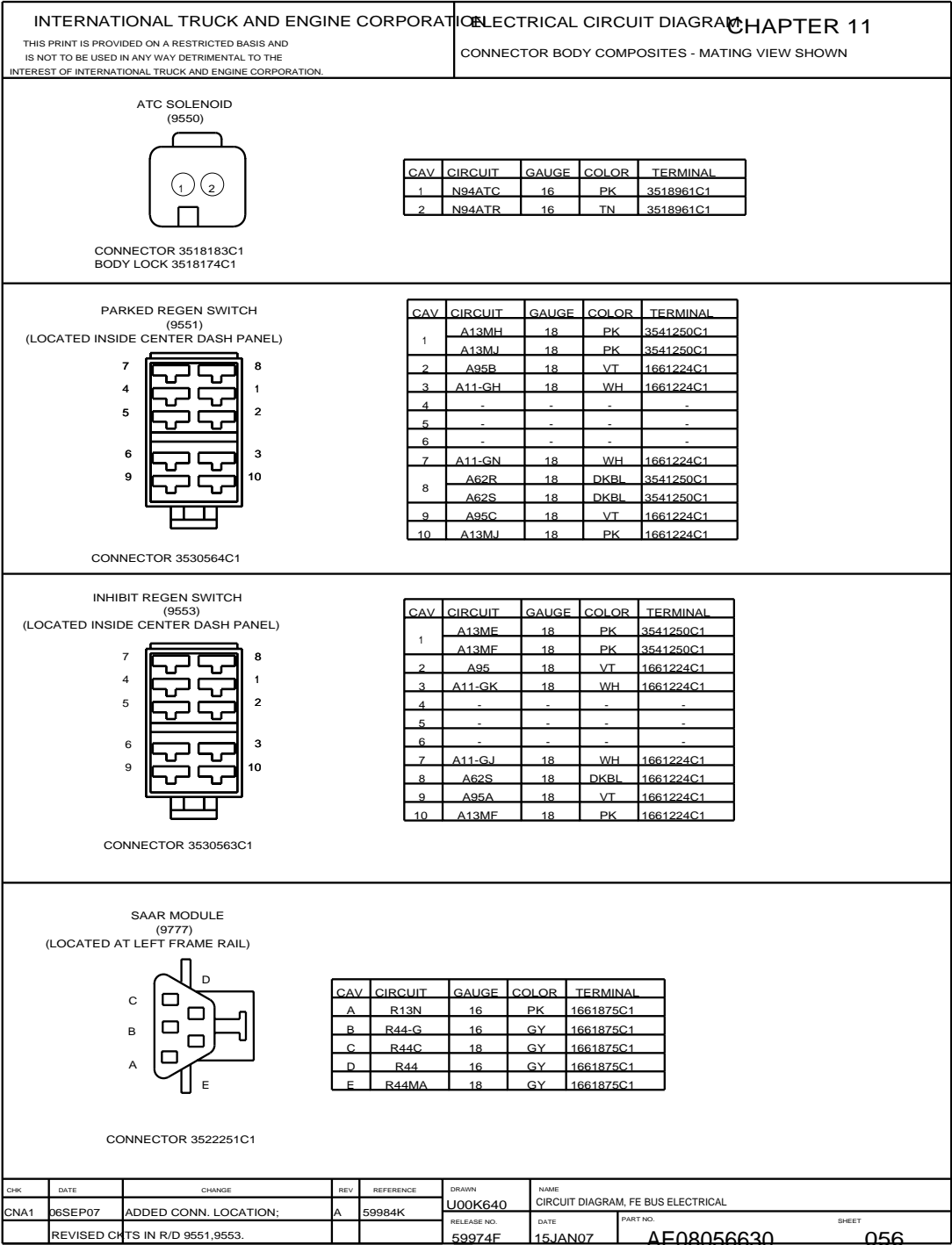


Figure 122 Connector Composites (9550), (9551), (9553), (9777)

11.57. BLANK PAGE, P. 57

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| INTERNATIONAL TRUCK AND ENGINE CORPORATION | | | | ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11 | | | |
| 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 BODY COMPOSITES - MATING VIEW SHOWN | | | |
| INTENTIONALLY LEFT BLANK | | | | | | | |
| CHK | DATE | CHANGE | REV | REFERENCE | DRAWN | NAME | |
| CNA1 | 05SEP07 | ADDED CONNECTOR | A | 59984K | U00K640 | CIRCUIT DIAGRAM, FE BUS ELECTRICAL | |
| | LOCATION | | | | RELEASE NO. | DATE | PART NO. SHEET |
| | | | | | 59974F | 15JAN07 | AE08056630 057 |

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