Body Electrical Circuit Diagrams

IC Bus® RE Series – Built September 2017 and After
Engine Family: Cummins® L9

IC Bus, LLC
2701 Navistar Drive, Lisle, IL 60532 USA

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<td>COOLER</td>
<td>POS</td>
<td>POSITIVE</td>
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<td>CTSY</td>
<td>COUTSURY</td>
<td>POT</td>
<td>POTENTIOMETER</td>
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<tr>
<td>CDUS</td>
<td>COURSE</td>
<td>FWR</td>
<td>POWER</td>
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</table>

Figure 1 Abbreviations
# 2.2. ACRONYMS, P. 2

## NAVISTAR, INC

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 2**

**ACRONYMS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Acronym</th>
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<tbody>
<tr>
<td>AntiLock Braking System</td>
<td>ABS</td>
</tr>
<tr>
<td>Antenna Communication Unit</td>
<td>ACU</td>
</tr>
<tr>
<td>Alternating Current</td>
<td>AC</td>
</tr>
<tr>
<td>Axle to Back of Cab</td>
<td>AB</td>
</tr>
<tr>
<td>Axle to Frame</td>
<td>AF</td>
</tr>
<tr>
<td>Accelerator Pedal Module</td>
<td>APM</td>
</tr>
<tr>
<td>Accelerator Position Sensor</td>
<td>APS</td>
</tr>
<tr>
<td>Auxiliary Power Unit</td>
<td>APU</td>
</tr>
<tr>
<td>Automatic Tractor Control</td>
<td>ATC</td>
</tr>
<tr>
<td>Audio Video Interface</td>
<td>AVI</td>
</tr>
<tr>
<td>Brake Horsepower</td>
<td>BHP</td>
</tr>
<tr>
<td>Back of Cab</td>
<td>BOC</td>
</tr>
<tr>
<td>Citizen Band</td>
<td>CB</td>
</tr>
<tr>
<td>Clean Power Electrical Connector</td>
<td>CEC</td>
</tr>
<tr>
<td>Cab Over Engine</td>
<td>COE</td>
</tr>
<tr>
<td>Direct Current</td>
<td>DC</td>
</tr>
<tr>
<td>Driver Control Module</td>
<td>DCM</td>
</tr>
<tr>
<td>Digital Data Link</td>
<td>DDL</td>
</tr>
<tr>
<td>Diesel Oxidation Catalyst Inlet Temperature</td>
<td>DOCT</td>
</tr>
<tr>
<td>Diesel Particulate Filter</td>
<td>DPF</td>
</tr>
<tr>
<td>Diesel Turbocharged</td>
<td>DT</td>
</tr>
<tr>
<td>Day Time Running Lights</td>
<td>DTRL</td>
</tr>
<tr>
<td>Electronic Control Module</td>
<td>ECM</td>
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<tr>
<td>Electronic Control Unit</td>
<td>ECU</td>
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<tr>
<td>Exhaust Gas Recirculation</td>
<td>EGR</td>
</tr>
<tr>
<td>Exhaust Gas Temperature</td>
<td>EGT</td>
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<tr>
<td>Electric Magnetic Interface</td>
<td>EM</td>
</tr>
<tr>
<td>End of Frame</td>
<td>EOF</td>
</tr>
<tr>
<td>Electric Trailer Brake</td>
<td>ETR</td>
</tr>
<tr>
<td>Front Axle</td>
<td>FA</td>
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<tr>
<td>Front End</td>
<td>FE</td>
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<td>Front of Dash</td>
<td>FOD</td>
</tr>
<tr>
<td>Full Power Brake</td>
<td>FPB</td>
</tr>
<tr>
<td>Global Positioning System</td>
<td>GPS</td>
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<tr>
<td>Hydraulic Control Unit</td>
<td>HCU</td>
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<tr>
<td>Heavy Duty</td>
<td>HD</td>
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<tr>
<td>Heavy Duty Diesel</td>
<td>HSD</td>
</tr>
<tr>
<td>High Performance Truck</td>
<td>HPT</td>
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<tr>
<td>Heating, Ventilation, and Air Conditioning</td>
<td>HVAC</td>
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<table>
<thead>
<tr>
<th>Description</th>
<th>Acronym</th>
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<tbody>
<tr>
<td>Injector Drive Module</td>
<td>IDM</td>
</tr>
<tr>
<td>Input/Output</td>
<td>I/O</td>
</tr>
<tr>
<td>Integrated Mobile Communications Terminal</td>
<td>IMCT</td>
</tr>
<tr>
<td>Instrument Panel</td>
<td>IP</td>
</tr>
<tr>
<td>Independent Power Take-Off</td>
<td>IPTO</td>
</tr>
<tr>
<td>Light Commercial Transmission</td>
<td>LCT</td>
</tr>
<tr>
<td>Medium Duty</td>
<td>MD</td>
</tr>
<tr>
<td>Malfunction Indication Lamp</td>
<td>MIL</td>
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<tr>
<td>Multiplex Switch Module</td>
<td>MSM</td>
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<tr>
<td>Pyrometer/Ammeter Module</td>
<td>PAM</td>
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<tr>
<td>Programmable Logic Controller</td>
<td>PLC</td>
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<tr>
<td>Power Take-Off</td>
<td>PTO</td>
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<tr>
<td>Pulse Width Modulation</td>
<td>PWM</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>RA</td>
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<tr>
<td>Radio Frequency</td>
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<td>Roll Stability Program</td>
<td>RSP</td>
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<tr>
<td>Severe Service</td>
<td>SS</td>
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<tr>
<td>Terrestrial Communication Unit</td>
<td>TCU</td>
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<tr>
<td>Terrestrial Mobile Communications Terminal</td>
<td>TMCT</td>
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<tr>
<td>Thermal Overcrank Protection</td>
<td>TOCP</td>
</tr>
<tr>
<td>Throttle Position Sensor</td>
<td>TPS</td>
</tr>
<tr>
<td>Zero Volt Reference</td>
<td>ZVR</td>
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<tr>
<td>Vehicle Interface Module</td>
<td>VIM</td>
</tr>
<tr>
<td>Transmission Control Module</td>
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**Figure 2**  Acronyms
2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

<table>
<thead>
<tr>
<th>A</th>
<th>SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.</th>
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<tbody>
<tr>
<td>B</td>
<td>MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN WITH R/D NUMBER &amp; CAVITY NUMBER. REFER TO CONNECTOR COMPOSITE FOR MORE INFORMATION</td>
</tr>
</tbody>
</table>

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

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

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

**F - CIRCUIT "11" DENOTES ANY COMMON GROUND (MORE THAN ONE CIRCUIT). ANY INDIVIDUAL GROUND CIRCUIT IS IDENTIFIED WITH THAT PARTICULAR CIRCUIT NUMBER (E.G. CIRCUIT 32 CRUISE CONTROL IS IDENTIFIED AS PER EXAMPLE) **

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

---

Figure 3 Circuit Diagram Instructions
## Figure 4  Circuit Number Identification and Color

<table>
<thead>
<tr>
<th>CIRCUIT NUMBER</th>
<th>COLOR</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>LTBL</td>
<td>ALTERNATOR - FIELD</td>
</tr>
<tr>
<td>2</td>
<td>RD</td>
<td>ALTERNATOR - CHARGE</td>
</tr>
<tr>
<td>3</td>
<td>DKBL</td>
<td>SERIAL / DATA COMMUNICATION J1587 / J1708 (+)</td>
</tr>
<tr>
<td>4</td>
<td>GY</td>
<td>SERIAL / DATA COMMUNICATION J1922 (+)</td>
</tr>
<tr>
<td>5</td>
<td>YL</td>
<td>SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (+)</td>
</tr>
<tr>
<td>6</td>
<td>GY</td>
<td>LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)</td>
</tr>
<tr>
<td>7</td>
<td>RD</td>
<td>ALTERNATOR - RESISTANCE</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>GY</td>
<td>LOW VOLTAGE ELECTRONIC GROUND</td>
</tr>
<tr>
<td>10</td>
<td>WI</td>
<td>CHASSIS / ENGINE GROUND</td>
</tr>
<tr>
<td>11</td>
<td>WI</td>
<td>CAB / SLEEPER GROUND</td>
</tr>
<tr>
<td>12</td>
<td>LTBL</td>
<td>ACCESSORY FEED</td>
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<tr>
<td>13</td>
<td>PK</td>
<td>IGNITION FEED</td>
</tr>
<tr>
<td>14</td>
<td>BK</td>
<td>IGNITION FEED (BODY BUILDER CONNECTOR)</td>
</tr>
<tr>
<td>15</td>
<td>RD</td>
<td>BATTERY FEED</td>
</tr>
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<td>16</td>
<td>RD</td>
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<td>17</td>
<td>PK</td>
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<td>18</td>
<td>PK</td>
<td>GLOW PLUG / PREHEATER</td>
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<td>19</td>
<td>GY</td>
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<td>20</td>
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<td>REMOTE POWER MODULE</td>
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<tr>
<td>21</td>
<td>TN</td>
<td>COLD START CONTROLS (ETHER)</td>
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<td>22</td>
<td>TN</td>
<td>TIRE PRESSURE MONITORING / CONTROL</td>
</tr>
<tr>
<td>23</td>
<td>TN</td>
<td>ENGINE FAN / SHUTTERS</td>
</tr>
<tr>
<td>24</td>
<td>GY</td>
<td>ENGINE EXHAUST BRAKE</td>
</tr>
<tr>
<td>25</td>
<td>TN</td>
<td>PYROMETER</td>
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<td>26</td>
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<td>INSTRUMENTS AND GAUGES</td>
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<td>29</td>
<td>TN</td>
<td>ENGINE WATER TEMPERATURE</td>
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<td>GY</td>
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<td>LOW AIR PRESSURE WARNING</td>
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### 2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT.), P. 5

#### NAVISTAR, INC

**THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.**

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<td>FRONT AXLE ENGAGED</td>
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<td>43</td>
<td>GY</td>
<td>POWER DIVIDER LOCK (PDL) WARNING</td>
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<tr>
<td>44</td>
<td>GY</td>
<td>PARK BRAKE WARNING</td>
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<td>45</td>
<td>LTGN</td>
<td>ANTITHEFT WARNING</td>
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<td>46</td>
<td>GY</td>
<td>POWER TAKEOFF WARNING</td>
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<td>47</td>
<td>GY</td>
<td>SPEEDOMETER</td>
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<td>48</td>
<td>GY</td>
<td>TACHOMETER</td>
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<td>GY</td>
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<td>50</td>
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<td>51</td>
<td>YL</td>
<td>DIMMER SWITCH FEED</td>
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<td>YL</td>
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<td>53</td>
<td>YL</td>
<td>HEADLIGHT LO - BEAM</td>
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<tr>
<td>54</td>
<td>BN</td>
<td>PARKING / MARKER LIGHTS</td>
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<td>55</td>
<td>OR</td>
<td>TURN SIGNAL FEED</td>
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<td>YL</td>
<td>TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)</td>
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<td>57</td>
<td>OR</td>
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<td>SOLENOID</td>
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<td>GY</td>
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<td>DKBL</td>
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<td>DKBL</td>
<td>COURTESY / DOME LIGHTS</td>
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<td>64</td>
<td>YL</td>
<td>FOG / DRIVING LIGHTS</td>
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<tr>
<td>65</td>
<td>OR</td>
<td>CAR REAR FLOOD LIGHTS</td>
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<td>YL</td>
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<td>67</td>
<td>GY</td>
<td>OBSTACLE AVOIDANCE / REMOTE SENSOR</td>
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<tr>
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<td>BN</td>
<td>TAIL LIGHTS</td>
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<td>BN</td>
<td>LICENSE PLATE LIGHT</td>
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<td>70</td>
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<td>STOP LIGHTS</td>
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<td>71</td>
<td>OR</td>
<td>BACKUP LIGHTS (BODY BUILDER CONNECTION)</td>
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<td>72</td>
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<td>TRAILER AUXILIARY FEED - BATTERY</td>
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<td>73</td>
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<td>PWM</td>
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<td>HEATER RECIRC MOTOR</td>
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<td>75</td>
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<td>HEATER BLOWER MOTOR</td>
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<td>MIRRORS - HEATED, MOTORIZED</td>
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<td>79</td>
<td>GY</td>
<td>SEAT BELTS</td>
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<tr>
<td>80</td>
<td>BK</td>
<td>SLEEPER BOX RELAY - FEED</td>
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**Figure 5**  Circuit Number Identification and Color (Cont.)
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<td>POWER DOOR LOCKS</td>
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<td>82</td>
<td>GY</td>
<td>WINDSHIELD WIPER</td>
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<td>83</td>
<td>LTGN</td>
<td>POWER WINDOWS</td>
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<td>LTGN</td>
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<td>85</td>
<td>GY</td>
<td>HORN</td>
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<td>86</td>
<td>LTGN</td>
<td>RADIO - ENTERTAINMENT / CLOCK</td>
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<td>87</td>
<td>GY</td>
<td>WINDSHIELD WASHER</td>
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<td>88</td>
<td>LTGN</td>
<td>CLOCK / HOURMETER</td>
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<td>AIR BAG</td>
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<td>90</td>
<td>OR</td>
<td>PUPIL WARNING LIGHTS</td>
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<td>GY</td>
<td>HYDRAULIC BRAKE PUMP</td>
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<td>92</td>
<td>VT</td>
<td>INTERCOMMUNICATION</td>
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<td>93</td>
<td>TN</td>
<td>TRANSMISSION CONTROLS - ELECTRONICS</td>
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<td>94</td>
<td>GY</td>
<td>ANTILock BRAKE SYSTEM</td>
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<td>95</td>
<td>TN</td>
<td>EXHAUST EMISSION</td>
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<tr>
<td>96</td>
<td>YL</td>
<td>SNOW PLOW LIGHTS / CRUISE CONTROLS</td>
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<td>VT</td>
<td>ENGINE CONTROLS - ELECTRONIC</td>
</tr>
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<td>98</td>
<td>BK</td>
<td>DATALINK AND DIAGNOSTICS</td>
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<td>99</td>
<td>VT</td>
<td>ACCELERATOR POSITION SENSOR (APS)</td>
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<td>GY</td>
<td>AIR HORN (ELECTRIC SOLENOID ACTUATED)</td>
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<td>BRAKE APPLICATION AIR</td>
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<td>102</td>
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<td>FLASH TO PASS</td>
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<td>103</td>
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<td>BODY BUILDER AUXILIARY FEED</td>
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<tr>
<td>104</td>
<td>DKBL</td>
<td>REMOTE START / STOP</td>
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<td>105</td>
<td>LTGN</td>
<td>HEATER SEATS</td>
</tr>
<tr>
<td>106</td>
<td>OR</td>
<td>HIGH VOLTAGE ALTERNATOR AC CHARGE</td>
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<tr>
<td>107</td>
<td>GY</td>
<td>INTRUMENT CLUSTER ELECTRONIC FEED (5V)</td>
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<td>GY</td>
<td>BRAKE PED WEAR SENSOR</td>
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<td>109</td>
<td>GY</td>
<td>BRAKE STROKE / SLACK ADJUSTER</td>
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<tr>
<td>110</td>
<td>GY</td>
<td>INTRUMENT CLUSTER ELECTRONIC GROUND</td>
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<td>111</td>
<td>TN</td>
<td>FUEL FILTER RESTRICTION TRANSDUCER</td>
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<td>112</td>
<td>GY</td>
<td>LIFT GATE</td>
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<td>113</td>
<td>YL</td>
<td>BLACKOUT LIGHT</td>
</tr>
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<td>114</td>
<td>YL</td>
<td>INFRARED LIGHTS</td>
</tr>
<tr>
<td>115</td>
<td>LTGN</td>
<td>WIRING</td>
</tr>
<tr>
<td>116</td>
<td>GY</td>
<td>FIFTH WHEEL</td>
</tr>
<tr>
<td>117</td>
<td>GY</td>
<td>EMERGENCY EXIT - REAR DOOR - REAR OVAL WINDOW</td>
</tr>
<tr>
<td>118</td>
<td>LTBL</td>
<td>NOISE SUPPRESSION - SOLENOID</td>
</tr>
<tr>
<td>119</td>
<td>GY</td>
<td>STOP ARM / CROSSING GATE</td>
</tr>
<tr>
<td>120</td>
<td>LTGN</td>
<td>DOOR CONTROL</td>
</tr>
<tr>
<td>121</td>
<td>YL</td>
<td>ENGINE COMPARTMENT LIGHT</td>
</tr>
<tr>
<td>122</td>
<td>YL</td>
<td>WHEEL CHAIR LIFT</td>
</tr>
<tr>
<td>123</td>
<td>GY</td>
<td>FLASHER SYSTEM CONTROL</td>
</tr>
<tr>
<td>124</td>
<td>LTGN</td>
<td>SPARE WIRE</td>
</tr>
<tr>
<td>125</td>
<td>GY</td>
<td>POST TRIP INSPECTION - CRS / CHECK MATE / BUS SCAN</td>
</tr>
<tr>
<td>126</td>
<td>GY</td>
<td>EMERGENCY EXIT - WINDOWS</td>
</tr>
<tr>
<td>127</td>
<td>OR</td>
<td>STROBE LIGHT</td>
</tr>
</tbody>
</table>

Figure 6  Circuit Number Identification and Color (Cont.)
2.7. CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT.), P. 7

<table>
<thead>
<tr>
<th>CIRCUIT NUMBER</th>
<th>COLOR</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>LTBL</td>
<td>LIGHT MONITOR</td>
</tr>
<tr>
<td>129</td>
<td>GY</td>
<td>EMERGENCY EXIT - ROOF HATCH</td>
</tr>
<tr>
<td>130</td>
<td>GY</td>
<td>EMERGENCY EXIT - SIDE EMERGENCY DOOR</td>
</tr>
<tr>
<td>131</td>
<td>DKBL</td>
<td>STEP LIGHT / SKIRT LIGHT</td>
</tr>
<tr>
<td>132</td>
<td>GY</td>
<td>STEP HEATER</td>
</tr>
<tr>
<td>133</td>
<td>LTGN</td>
<td>VANDAL LOCK - STARTER INTERRUPT</td>
</tr>
<tr>
<td>134</td>
<td>OR</td>
<td>DESTINATION SIGN</td>
</tr>
<tr>
<td>135</td>
<td>OR</td>
<td>LUGGAGE BOX LIGHT</td>
</tr>
<tr>
<td>136</td>
<td>YL</td>
<td>ELECTRICAL PANEL LIGHT</td>
</tr>
<tr>
<td>137</td>
<td>LTBL</td>
<td>CAMERA</td>
</tr>
<tr>
<td>138</td>
<td>GY</td>
<td>TIRE TRACTION ASSIST</td>
</tr>
<tr>
<td>139</td>
<td>YL</td>
<td>PEDESTRAIN LIGHT</td>
</tr>
<tr>
<td>140</td>
<td>TN</td>
<td>BATTERY ISOLATOR</td>
</tr>
<tr>
<td>141</td>
<td>LTGN</td>
<td>PASSENGER PULL SWITCH</td>
</tr>
<tr>
<td>142</td>
<td>LTGN</td>
<td>TWO - WAY RADIO</td>
</tr>
<tr>
<td>143</td>
<td>DKBL</td>
<td>* RED LT. - K/O WOW, SED, FR OR RR BULKHEAD</td>
</tr>
<tr>
<td>144</td>
<td>GY</td>
<td>FIRST SUPPRESSION SYSTEM</td>
</tr>
</tbody>
</table>

PREFIX | LOCATION
--- | ---
A | BUS - PLATFORM
B | BUS - ELECTRIC ACCESS PANEL
C | BUS - FRONT CAP
D | BUS - REAR CAP
E | BUS - LEFT BODY
F | BUS - RIGHT BODY
H | BUS BODY AUXILIARY HEATER
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 XMNR)
P | CHASSIS / WHEEL BASE SECTION
Q | 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
Y | BUS - FRONT END / SEALD ENGINE HARNESS

Figure 7  Circuit Number Identification and Color (Cont.)
## 2.8. LAMP BULB CHART, P. 8

### Lamp Bulb Chart

<table>
<thead>
<tr>
<th>Bulb Application</th>
<th>Candle Power or Watt</th>
<th>Bulb Trade Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back-Up Light</td>
<td>32 CP</td>
<td>GE168</td>
</tr>
<tr>
<td>Clearance &amp; Identification</td>
<td>3 CP</td>
<td>GE168</td>
</tr>
<tr>
<td>Courtesy Light</td>
<td>21 CP</td>
<td>1142</td>
</tr>
<tr>
<td>Dome Lights</td>
<td>21 CP</td>
<td>1142</td>
</tr>
<tr>
<td>Fog Light</td>
<td>100 Watt</td>
<td>4921-1</td>
</tr>
<tr>
<td>Low Beams</td>
<td>55 Watt</td>
<td>GE9807</td>
</tr>
<tr>
<td>High Beams</td>
<td>65 Watt</td>
<td>GE9807</td>
</tr>
<tr>
<td>Cigar Lighter</td>
<td>1 CP</td>
<td>1455</td>
</tr>
<tr>
<td>Gauge Backlight</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Gauge Warning Led (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Cold Ambient Protection LED (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Fuel Filter LED (Yellow)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Wain Engine LED (Yellow)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Stop Engine LED (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Brake Pressure LED</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Check Transmission LED</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Trailer Abs LED</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Left Turn Signal LED (Green)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Traction Control LED (Green)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Park Fluid LED (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Check Electrical System LED (Yellow)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Park Brake LED (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Cruise Control Active LED (Yellow)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Anti-Lock Braking System LED (Yellow)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Right Turn LED (Green)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Coolant Level LED (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Seat Belt LED (Red)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>High Beam Icon LED (Blue)</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Check Air Conditioner LED (Yellow)</td>
<td>2 CP</td>
<td>829272109-4</td>
</tr>
<tr>
<td>Side Marker</td>
<td>3 CP</td>
<td>194</td>
</tr>
<tr>
<td>Stop &amp; Turn / Tail &amp; License Plate</td>
<td>32/3 CP</td>
<td>3157</td>
</tr>
<tr>
<td>Turn Signal / Marker (Fender)</td>
<td>32/3 CP</td>
<td>3157</td>
</tr>
<tr>
<td>Turn Signal &amp; Marker Light</td>
<td>2 CP</td>
<td>194</td>
</tr>
<tr>
<td>Back-Up Lights-Upper and Lower Bunk Reading Light</td>
<td>15 CP</td>
<td>194</td>
</tr>
<tr>
<td>Under Bunk Light</td>
<td>21 CP / 2 (12CP)</td>
<td>577 / 211</td>
</tr>
<tr>
<td>Dome Light</td>
<td>15 Watt</td>
<td>F15T8-CW</td>
</tr>
<tr>
<td>Heater and Air Conditioner Control</td>
<td>3 CP</td>
<td>168</td>
</tr>
<tr>
<td>Luggage Compartment Light</td>
<td>6 CP</td>
<td>93</td>
</tr>
<tr>
<td>Reading Light</td>
<td>15 CP</td>
<td>194</td>
</tr>
</tbody>
</table>

Figure 8  Lamp Bulb Chart
2.9. RELAY FUNCTION AND WIRING GUIDE, P. 9

**RELAY VIEWED FROM INSERTION END**

- **MINIATURE - ISO (1)**
  - Energizing Coil (86)
  - Normally Closed Contact (87)
  - Normally Open Contact (87A)
  - Common Contact (85)

- **MINIATURE - 280 (1)**
  - Energizing Coil (86)
  - Common Contact (85)

- **MICRO - 280 (1)**
  - Energizing Coil (86)
  - Common Contact (85)

- **MICRO - ISO (1)**
  - Energizing Coil (86)
  - Normally Open Contact (3)
  - Normally Closed Contact (4)
  - Common Contact (30)

- **MICRO - 4 PIN (1)**
  - Energizing Coil (86)
  - Common Contact (85)

- **MINI MICRO - 4 PIN (2)**
  - Energizing Coil (86)

**NOTES:**
1. Relay contains a 680 ohm suppression resistor.
2. Relay contains a 1000 ohm suppression resistor.

Figure 9 Relay Function and Wiring Guide
### 2.10. SCHEMATIC SYMBOL CHART, P. 10

#### Table 10: Schematic Symbol Chart

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Air Dryer Symbol" /></td>
<td>AIR DRYER</td>
<td><img src="image2.png" alt="Cigar Lighter Symbol" /></td>
<td>CIGAR LIGHTER</td>
</tr>
<tr>
<td><img src="image3.png" alt="Alarm Symbol" /></td>
<td>ALARM</td>
<td><img src="image4.png" alt="Circuit Breaker Symbol" /></td>
<td>CIRCUIT BREAKER</td>
</tr>
<tr>
<td><img src="image5.png" alt="Alternator Symbol" /></td>
<td>ALTERNATOR</td>
<td><img src="image6.png" alt="Diode Symbol" /></td>
<td>DIODE</td>
</tr>
<tr>
<td><img src="image7.png" alt="Ammeter Symbol" /></td>
<td>AMMETER</td>
<td><img src="image8.png" alt="Diode, Light Emitting Symbol" /></td>
<td>DIODE, LIGHT EMITTING</td>
</tr>
<tr>
<td><img src="image9.png" alt="Battery Symbol" /></td>
<td>BATTERY</td>
<td><img src="image10.png" alt="Fan Solenoid Symbol" /></td>
<td>FAN SOLENOID</td>
</tr>
<tr>
<td><img src="image11.png" alt="Blunt Cut Circuit Symbol" /></td>
<td>BLUNT CUT CIRCUIT</td>
<td><img src="image12.png" alt="Female Terminal Symbol" /></td>
<td>FEMALE TERMINAL</td>
</tr>
<tr>
<td><img src="image13.png" alt="Busbar Symbol" /></td>
<td>BUSBAR</td>
<td><img src="image14.png" alt="Fuse Symbol" /></td>
<td>FUSE</td>
</tr>
</tbody>
</table>

*Figure 10* Schematic Symbol Chart
2.11. SCHEMATIC SYMBOL CHART (CONT.), P. 11

<table>
<thead>
<tr>
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<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Fuse symbol" /></td>
<td>Fuses W/ Busbar</td>
<td><img src="image2.png" alt="Horn symbol" /></td>
<td>Horn</td>
</tr>
<tr>
<td><img src="image3.png" alt="Fuse symbol" /></td>
<td>Fusible Link</td>
<td><img src="image4.png" alt="Key Switch symbol" /></td>
<td>Key Switch</td>
</tr>
<tr>
<td><img src="image5.png" alt="Ground symbol" /></td>
<td>Ground W/ Stud</td>
<td><img src="image6.png" alt="Key Switch Complex" /></td>
<td>Key Switch, Complex</td>
</tr>
<tr>
<td><img src="image7.png" alt="Ground symbol" /></td>
<td>Ground N/ Stud</td>
<td><img src="image8.png" alt="Light symbol" /></td>
<td>Light W/ Switch</td>
</tr>
<tr>
<td><img src="image9.png" alt="Heater symbol" /></td>
<td>Heater</td>
<td><img src="image10.png" alt="Light Double Filament" /></td>
<td>Light, Double Filament</td>
</tr>
<tr>
<td><img src="image11.png" alt="Holder symbol" /></td>
<td>Holder, Fuse W/ Busbar</td>
<td><img src="image12.png" alt="Light Single Filament" /></td>
<td>Light, Single Filament</td>
</tr>
</tbody>
</table>

Figure 11  Schematic Symbol Chart (Cont.)
### 2.12. SCHEMATIC SYMBOL CHART (CONT.), P. 12

**Figure 12  Schematic Symbol Chart (Cont.)**

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>➤</td>
<td>MALE TERMINAL</td>
<td>➤</td>
<td>MALE TERMINAL</td>
</tr>
<tr>
<td><img src="symbol1.png" alt="Image" /></td>
<td>MOTOR</td>
<td><img src="symbol2.png" alt="Image" /></td>
<td>RESISTOR</td>
</tr>
<tr>
<td><img src="symbol3.png" alt="Image" /></td>
<td>PASS THRU CONNECTION</td>
<td><img src="symbol4.png" alt="Image" /></td>
<td>SENDER - FUEL, OIL, TEMP, WATER</td>
</tr>
<tr>
<td><img src="symbol5.png" alt="Image" /></td>
<td>PRESSURE SWITCH</td>
<td><img src="symbol6.png" alt="Image" /></td>
<td>SENSOR, PRESSURE, ABS 6</td>
</tr>
<tr>
<td><img src="symbol7.png" alt="Image" /></td>
<td>RELAY, FIVE TERMINAL</td>
<td><img src="symbol8.png" alt="Image" /></td>
<td>SENSOR, MAGNETIC</td>
</tr>
<tr>
<td><img src="symbol9.png" alt="Image" /></td>
<td>RELAY, FOUR TERMINAL</td>
<td><img src="symbol10.png" alt="Image" /></td>
<td>SENSOR, YAW</td>
</tr>
<tr>
<td><img src="symbol11.png" alt="Image" /></td>
<td>RELAY, LATCHING</td>
<td><img src="symbol12.png" alt="Image" /></td>
<td>SOLENOID</td>
</tr>
<tr>
<td><img src="symbol13.png" alt="Image" /></td>
<td></td>
<td><img src="symbol14.png" alt="Image" /></td>
<td>SOLENOID W/ DIODE</td>
</tr>
</tbody>
</table>
Figure 13  Schematic Symbol Chart (Cont.)
### 2.14. SCHEMATIC SYMBOL CHART (CONT.), P. 14

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<tbody>
<tr>
<td><img src="image" alt="DC OUTLET" /></td>
<td>DC Outlet</td>
</tr>
<tr>
<td><img src="image" alt="AIR DOOR CYLINDER" /></td>
<td>Air Door Cylinder</td>
</tr>
<tr>
<td><img src="image" alt="LIFT SOLENOID" /></td>
<td>Lift Solenoid</td>
</tr>
<tr>
<td><img src="image" alt="HEATED WIPER BLADES" /></td>
<td>Heated Wiper Blades</td>
</tr>
<tr>
<td><img src="image" alt="REVERSING KEY SWITCH CENTER POSITION &quot;OFF&quot;" /></td>
<td>Reversing Key Switch Center Position &quot;OFF&quot;</td>
</tr>
<tr>
<td><img src="image" alt="FOOT SWITCH FOR AIR HORN" /></td>
<td>Foot Switch for Air Horn</td>
</tr>
<tr>
<td><img src="image" alt="AIR DUMP VALVE" /></td>
<td>Air Dump Valve</td>
</tr>
<tr>
<td><img src="image" alt="MASTER DISCONNECT" /></td>
<td>Master Disconnect</td>
</tr>
<tr>
<td><img src="image" alt="AIR REGULATOR AND SOLENOID" /></td>
<td>Air Regulator and Solenoid</td>
</tr>
<tr>
<td><img src="image" alt="BACK-UP ALARM" /></td>
<td>Back-Up Alarm</td>
</tr>
</tbody>
</table>

---

Figure 14  Schematic Symbol Chart (Cont.)
2.15. SCHEMATIC SYMBOL CHART (CONT.), P. 15

**Figure 15  Schematic Symbol Chart (Cont.)**
## 2.16. SCHEMATIC SYMBOL CHART (CONT.), P. 16

### Figure 16  Schematic Symbol Chart (Cont.)
# 2.17. SCHEMATIC SYMBOL CHART (CONT.), P. 17

![Schematic Symbol Chart (Cont.)](image)

**Figure 17**  Schematic Symbol Chart (Cont.)
**Figure 18  Schematic Symbol Chart (Cont.)**
Chapter 2: RE Bus Wiring Layout, P. 19

Figure 19  RE Bus Wiring Layout
2.20. ELECTRICAL FUSE PANEL – PRODUCT GRAPHICS, P. 20

Figure 20  Electrical Fuse Panel – Product Graphics
### 2.21. ELECTRICAL FUSE PANEL – PRODUCT GRAPHICS (CONT.), P. 21

#### NAVISTAR, INC

**Figure 21** Electrical Fuse Panel – Product Graphics (Cont.)
2.22. PLATFORM HARNESS FUSE PANEL – PRODUCT GRAPHICS, P. 22

NAVISTAR, INC

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 2

PLATFORM HARNESS FUSE PANEL - PRODUCT GRAPHICS

FUSE CIRCUIT DESCRIPTION

F1  BTRY MARKER LIGHTS
F2  BTRY HEADLIGHTS
F3  BTRY STOP LIGHTS
F4  BTRY HORN
F5  BTRY TURN/HAZARD SIGNALS
F6  BTRY DIAGNOSTIC CONNECTOR
F7  BTRY WINDSHIELD WIPER SWITCH
F8  BTRY ANTILOCK BRAKE MODULE
F9  BTRY DAYTIME RUNNING LIGHTS
F10 BTRY IGNITION SWITCH
F11 BTRY IGNITION RELAY
F12 BTRY DC OUTLET
F13 BTRY TACHOGRAPH
F14 IGN DRL MODULE
F15 IGN ANTILOCK BRAKE MODULE
F16 IGN FUEL FILTER LIGHT
F17 IGN ACCELERATOR
F18 IGN INST CLUSTER*, TCM*
F19 IGN CRANKING / FAN DRIVE
F20 IGN AIR DOOR DUMP VALVE
F21 IGN AUDIBLE ALARM
F22 IGN PARK BRAKE INTERLOCK
F23 IGN HEADLIGHT BUZZER
F24 IGN MULTIPLEX SIGNAL MODULE
F25 IGN HEADLIGHT ALWAYS ON
F26 IGN SEAT BELT ALARM
F27 ACC WIPER CONTROL
F28 ACC BODY BUILDER FEED
F29 IGN BODY BUILDER FEED
F30 ACC EMERGENCY EXIT INDICATOR
F31 BTRY PANEL LIGHTS
F32 IGN BRAKE MONITOR
F33 IGN TACHOGRAPH
F34 – SPARE

NAVISTAR PART NO. - 4030868C1

Figure 22  Platform Harness Fuse Panel – Product Graphics
3.1. BATTERY FEED, P. 1

Figure 23 Battery Feed
3.2. IGNITION FEED, P. 2

Figure 24  Ignition Feed
3.3. ACCESSORY FEED, P. 3

Figure 25 Accessory Feed
3.4. BODY CIRCUIT – FUSE BLOCK, P. 4

Figure 26  Body Circuit – Fuse Block
3.5. BODY CIRCUIT – FUSE BLOCK (CONT.), P. 5

Figure 27  Body Circuit – Fuse Block (Cont.)
3.6. BODY CIRCUIT – FUSE BLOCK (CONT.), P. 6

Figure 28  Body Circuit – Fuse Block (Cont.)
3.7. BODY CIRCUIT – FUSE BLOCK (CONT.), P. 7

**Figure 29**  Body Circuit – Fuse Block (Cont.)
Figure 30  Body Circuit – Fuse Block (Cont.)
3.9. BODY CIRCUIT – FUSE BLOCK (CONT.), P. 9

Figure 31  Body Circuit – Fuse Block (Cont.)
Figure 32  Body Circuit – Fuse Block (Cont.)
Figure 33  Body Circuit – Fuse Block (Cont.)
Figure 34  Body Circuit – Accessory & Ignition Feed
3.13. BODY CIRCUIT – MASTER DISCONNECT, P. 13

Figure 35  Body Circuit – Master Disconnect
3.14. BODY CIRCUIT – NOISE SUPPRESSION, P. 14

Figure 36  Body Circuit – Noise Suppression
3.15. BODY CIRCUIT – ACCESSORY SPLICE, P. 15

Figure 37   Body Circuit – Accessory Splice
Figure 38  Body Circuit – Reference Splice
3.17. BODY CIRCUIT – BATTERY ISOLATOR, P. 17

Figure 39  Body Circuit – Battery Isolator
3.18. BODY GROUND – PLATFORM, P. 18

Figure 40 Body Ground – Platform
3.19. BODY GROUND – PLATFORM (CONT.), P. 19

Figure 41 Body Ground – Platform (Cont.)
Figure 42  Body Ground – Platform (Cont.)
3.21. BODY GROUND – ELECTRICAL PANEL, P. 21

Figure 43  Body Ground – Electrical Panel
3.22. BODY GROUND – ELECTRICAL PANEL (CONT.), P. 22

Figure 44  Body Ground – Electrical Panel (Cont.)
Figure 45  Body Ground – Electrical Panel (Cont.)
3.24. BODY GROUND – ELECTRICAL PANEL (CONT.), P. 24

The diagram shows a wiring circuit for Body Ground on an Electrical Panel. The diagram includes various connections and labels such as GROUND SPLICE, B125-0C, B125-G, and B125-OH. The diagram also indicates different electrical components like light relays, check mate modules, and power switches.

Figure 46  Body Ground – Electrical Panel (Cont.)
3.25. BODY GROUND – ELECTRICAL PANEL (CONT.), P. 25

Figure 47  Body Ground – Electrical Panel (Cont.)
3.26. BODY GROUND – ELECTRICAL PANEL (CONT.), P. 26

**Figure 48** Body Ground – Electrical Panel (Cont.)
3.27. BODY GROUND – FRONT CAP, P. 27

Figure 49  Body Ground – Front Cap
3.28. BODY GROUND – FRONT CAP (CONT.), P. 28

Figure 50 Body Ground – Front Cap (Cont.)
3.29. BODY GROUND – FRONT END, P. 29

Figure 51  Body Ground – Front End
3.30. BODY GROUND – FRONT END (CONT.), P. 30

Figure 52  Body Ground – Front End (Cont.)
3.31. BODY GROUND – REAR CAP, P. 31

Figure 53 Body Ground – Rear Cap
3.32. BODY GROUND – REAR CAP (CONT.), P. 32

Figure 54  Body Ground – Rear Cap (Cont.)
3.33. BODY GROUND – LEFT BODY, P. 33

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Figure 56  Body Ground – Left Body (Cont.)
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Figure 57  Body Ground – Left Body (Cont.)
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3.37. ZONAR POWER AND SIGNAL, P. 38

Figure 59  Zonar Power and Signal
Figure 60  Starter Interlock / Vandal Lock
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Figure 61  Turn Signals with Audible Flasher System
Figure 62  Turn Signals without AUX Flasher Switch
5.3. TURN SIGNALS WITH AUX FLASHER SWITCH, P. 3

Figure 63  Turn Signals with AUX Flasher Switch
5.4. TEMP SENSOR IN ENGINE COMPARTMENT, P. 4

Figure 64 Temp Sensor in Engine Compartment
5.5. TEMP SENSOR IN ENGINE COMPARTMENT AND ELECTRICAL PANEL, P. 5

NOTE:
TEMP SENSOR SWITCH IS CLOSE WHEN TEMPERATURE REACHES 300°F, THE ENGINE TEMP SENSOR RELAY LATCHES INDICATOR LIGHT 'ON' UNTIL 'IGN' KEY SWITCH IS CYCLED OFF.

Figure 65  Temp Sensor in Engine Compartment and Electrical Panel
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5.10. LOCKING COMPARTMENT WITH ALARM WITH STARTER INTERLOCK WITH MECH BUZZER, P. 9

Figure 70  Locking Compartment with Alarm with Starter Interlock with Mech Buzzer
5.11. HEATED WIPER BLADES, P. 10

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6.4. PUPIL WARNING LIGHTS WITHOUT LIGHT MONITOR (CONT.), P. 4

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6.6. PUPIL WARNING LIGHTS WITH LIGHT MONITOR, P. 6

Figure 79  Pupil Warning Lights with Light Monitor
6.7. PUPIL WARNING LIGHTS WITH LIGHT MONITOR (CONT.), P. 7

Figure 80  Pupil Warning Lights with Light Monitor (Cont.)
6.8. PUPIL WARNING LIGHTS WITH LIGHT MONITOR (CONT.), P. 8

**Figure 81** Pupil Warning Lights with Light Monitor (Cont.)
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6.10. PUPIL WARNING LIGHTS WITH 16 LAMP LIGHT MONITOR, P. 10

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6.11. PUPIL WARNING LIGHTS WITH 8 LAMP LIGHT MONITOR, P. 11

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Figure 86  Stop Arm Splice Signal
6.14. SEQUENTIAL PUPIL WARNING LIGHT SYSTEM WITH V BATTERY, P. 14

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Figure 90  Non-Sequential Pupil Warning Light System with V Battery (Cont.)
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**Figure 91** Non-Sequential Pupil Warning Light System with Right Rotary Door Switch
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Figure 92 Non-Sequential Pupil Warning Light System with Right Rotary Door Switch (Cont.)
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Figure 93  Florida Pupil, Warning Light System
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Figure 94  Florida Pupil, Warning Light System (Cont.)
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Figure 98  Back-up Lights without Read Exit Options
7.2. BACK-UP LIGHT WITH LIGHT MONITOR AND WITH REE, P. 2

Figure 99  Back-up Light with Light Monitor and with REE
7.3. DESTINATION SIGN FRONT AND REAR LIGHTS, P. 3

Figure 100  Destination Sign Front and Rear Lights
7.4. FOG LIGHTS / AUXILIARY DRIVING LIGHTS, P. 4

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7.5. STROBE LIGHT MOUNTED ON LEFT SWITCH PANEL, P. 5

**Figure 102** Strobe Light Mounted On Left Switch Panel
7.6. STROBE LIGHT ACTIVATED BY WARNING LIGHTS W/ OVERHEAD SWITCH, P. 6

Figure 103  Strobe Light Activated By Warning Lights with Overhead Switch
7.7. STROBE LIGHT ACTIVATED BY STOP ARM WITH OVERHEAD SWITCH, P. 7

Figure 104  Strobe Light Activated By Stop Arm with Overhead Switch
7.8. STROBE LIGHT ACTIVATED BY MOM SWITCH WITH OVERHEAD SWITCH, P. 8

Figure 105  Strobe Light Activated By MOM Switch with Overhead Switch
7.9. STROBE LIGHT ACTIVATED BY IGNITION, P. 9

Figure 106  Strobe Light Activated by Ignition
7.10. STROBE LIGHT SPLICE PACK, P. 10

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Figure 110  Left Side Turn Lights (Cont.)
Figure 111  Right Side Turn Lights
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Figure 112  Right Side Turn Lights (Cont.)
7.16. RIGHT SIDE TURN LIGHTS (CONT.), P. 16

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7.19. DIRECTIONAL LIGHTS ON COWL WITH PARK LIGHTS, P. 19

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7.20. CLEARANCE LIGHTS, P. 20

Figure 117  Clearance Lights
7.21. FRONT CAP – CLEARANCE / IDENTIFICATION LIGHTS, P. 21

Figure 118  Front Cap – Clearance / Identification Lights
7.22. REAR CAP – CLEARANCE / IDENTIFICATION LIGHTS (STANDARD), P. 22

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7.23. REAR CAP – CLEARANCE / IDENTIFICATION LIGHTS AND ACT EMERGENCY EXIT LIGHT, P. 23

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7.25. REAR CAP EMERGENCY EXIT AND DUAL MARKER LIGHT, P. 25

Figure 122  Rear Cap Emergency Exit and Dual Marker Light
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Figure 123 Rear Cap Emergency Exit and Dual Marker Light (Cont)
7.27. REAR CAP BULKHEAD AND CLEARANCE LIGHTS, P. 26A

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7.28. REAR CAP BULKHEAD AND DOUBLE CLEARANCE LIGHTS, P. 26B

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7.29. EXTRA MARKER LIGHT IN SKIRT, P. 27

**Figure 126** Extra Marker Light in Skirt
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7.32. REAR LIGHTS WITHOUT OPTIONS, P. 29A

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7.33. LEFT AND RIGHT GRILL LIGHTS, P. 30

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Figure 131 Left Rear End Lights
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Figure 132  Right Rear End Lights
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7.42. HEADLIGHT WIRING WITH HEADLIGHTS ALWAYS ON, P. 39

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7.46. STOP AND TAIL SIGNAL SPLICE, P. 43

Figure 143  Stop and Tail Signal Splice
8.1. STEPWELL LIGHTS WITH DUAL AND SKIRT LIGHT, P. 1

Figure 144  Stepwell Lights with Dual and Skirt Light
8.2. PANEL LIGHT WITH SINGLE DIMMER CONTROL, P. 2

Figure 145  Panel Light with Single Dimmer Control
8.3. PANEL LIGHT WITH DUAL DIMMER CONTROL, P. 3

Figure 146  Panel Light with Dual Dimmer Control
8.4. PANEL LIGHT ADAPTER, P. 4

The figure illustrates the panel light adapter circuit diagram for a vehicle. The diagram shows various components such as the panel light, headlight switch, defog fan switch, and platform/electric panel. The diagram includes labels for part numbers, terminal connections, and wire colors.

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8.5. SWITCH ILLUMINATION, P. 5

Figure 148  Switch Illumination
8.6. SWITCH ILLUMINATION (CONT.), P. 6

Figure 149  Switch Illumination (Cont.)
8.7. SWITCH ILLUMINATION (CONT.), P. 7

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8.8. SWITCH ILLUMINATION (CONT.), P. 8

Figure 151  Switch Illumination (Cont.)
8.9. SWITCH ILLUMINATION (CONT.), P. 9

Figure 152  Switch Illumination (Cont.)
8.10. SWITCH ILLUMINATION (CONT.), P. 10

Figure 153  Switch Illumination (Cont.)
8.11. SWITCH ILLUMINATION (CONT.), P. 11

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Figure 156  Dome Light Single Switch (Cont.)
8.14. DOME LIGHT DELUXE SINGLE SWITCH WITH V IGNITION OVERHEAD, P. 14

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8.16. DOME LIGHT SPLIT SWITCH (CONT.), P. 16

Figure 159  Dome Light Split Switch (Cont.)
8.17. DRIVER'S DOME LIGHT, P. 17

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8.18. ACTIVITY DOME LIGHT, P. 18

Figure 161  Activity Dome Light
8.19. DOME LIGHTS ACTIVATED BY EMERGENCY EXITS, P. 19

Figure 162  Dome Lights Activated by Emergency Exits
8.20. DOME LIGHTS ACTIVATED BY ENTRANCE DOOR, P. 20

Figure 163  Dome Lights Activated by Entrance Door
8.21. DOME LIGHT SPLIT SWITCH WITH WIRED TO HEADLIGHTS, P. 21

Figure 164  Dome Light Split Switch with Wired to Headlights
8.22. DOME LIGHT SPLIT SWITCH WITH IGNITION OVERHEAD WITH CRS, P. 22

Figure 165  Dome Light Split Switch with Ignition Overhead with CRS
8.23. ENGINE COMPARTMENT LIGHT, P. 23

Figure 166  Engine Compartment Light
8.24. REAR ROW / LAST DOME LIGHT, P. 24

Figure 167  Rear Row / Last Dome Light
8.25. GUARD DOME LIGHT, P. 25

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8.26. DOUBLE DOME LIGHT WITH REAR ROW 15 WINDOW SECT L BODY, P. 26

**Figure 169** Double Dome Light with Rear Row 15 Window Sect L Body
8.27. DOUBLE DOME LIGHT WITH REAR ROW 15 WINDOW SECT R BODY, P. 27

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8.30. DOUBLE DOME LIGHT WITH REAR ROW 12 WINDOW SECT L BODY, P. 30

Figure 173  Double Dome Light with Rear Row 12 Window Sect L Body
CHAPTER 8

DOUBLE DOME LIGHT W/REAR ROW 12 WINDOW SECT R BODY

Figure 174  Double Dome Light with Rear Row 12 Window Sect R Body
8.32. DOME LIGHT DELUXE SWITCH WITH FR AND RR 14 WINDOW L BODY, P. 32

Figure 175  Dome Light Deluxe Switch with FR and RR 14 Window L Body
Figure 176  Dome Light Deluxe Switch with FR and RR 14 Window R Body
Figure 177  Dome Light Deluxe Switch with 14 Window R Body
8.35. DOUBLE DOME LT WITH SEPARATE SW FOR FR AND RR, WITH REAR ROW 15 WINDOW SECT L BODY, P. 35

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8.36. DOUBLE DOME LT WITH SEPARATE SW FOR FR AND RR, WITH REAR ROW 15 WINDOW SECT R BODY, P. 36

Figure 179  Double Dome LT with Separate SW For FR and RR, with Rear Row 15 Window Sect R Body
8.37. DOUBLE DOME LT WITH SEPARATE SW FOR FR AND RR, WITH REAR ROW 13 / 14 WINDOW SECT L BODY, P. 37

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8.38. DOUBLE DOME LT WITH SEPARATE SW FOR FR AND RR, WITH REAR ROW 13 / 14 WINDOW SECT R BODY, P. 38

Figure 181  Double Dome LT with Separate SW For FR and RR, with Rear Row 13 / 14 Window Sect R Body
8.39. DOUBLE DOME LT WITH SEPARATE SW FOR FR AND RR, WITH REAR ROW 12 WINDOW SECT L BODY, P. 39

Figure 182  Double Dome LT with Separate SW For FR and RR, with Rear Row 12 Window Sect L Body
8.40. DOUBLE DOME LT WITH SEPARATE SW FOR FR AND RR, WITH REAR ROW 12 WINDOW SECT R BODY, P. 40

Figure 183  Double Dome LT with Separate SW For FR and RR, with Rear Row 12 Window Sect R Body
8.41. STANDARD STAGGER DOME LT WITH REAR ROW 15 WINDOW SECT L AND R BODY, P. 41

Figure 184  Standard Stagger Dome LT with Rear Row 15 Window Sect L and R Body
8.42. STANDARD STAGGER DOME LT WITH REAR ROW 13 / 14 WINDOW SECT L AND R BODY, P. 42

Figure 185  Standard Stagger Dome LT with Rear Row 13 / 14 Window Sect L and R Body
Figure 186  Standard Stagger Dome LT with Rear Row 12 Window Sect L and R Body
8.44. STANDARD STAGGER DOME LT FR AND RR, WITH REAR ROW 15 WINDOW SECT L BODY, P. 44

Figure 187  Standard Stagger Dome LT FR and RR, with Rear Row 15 Window Sect L Body
8.45. STANDARD STAGGER DOME LT FR AND RR, WITH REAR ROW 15 WINDOW SECT R BODY, P. 45

Figure 188  Standard Stagger Dome LT FR and RR, with Rear Row 15 Window Sect R Body
### 8.46. STANDARD STAGGER DOME LT FR AND RR, WITH REAR ROW 13 / 14 WINDOW SECT L AND R BODY, P. 46

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#### NAVISTAR, INC.

- **REFERENCE**
  - RELEASE NO.
  - SHEET
  - CHK
  - DRAWN
  - NAME
  - PART NO.
  - DATE
  - CHANGE
  - REV
  - DATE

#### ELECTRICAL CIRCUIT DIAGRAM

**CHAPTER 8**

**STD STAGGER DOME LT FR & RR, W/ REAR ROW 13/14 WINDOW SECT L & R BODY**

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**ELECTRICAL PANEL/L BODY**

- **PART NO.** 10490/10491
- **DATE** MAY 17
- **REV** 046

**DOME LIGHT SECT 1**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**DOME LIGHT SECT 5**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**DOME LIGHT SECT 9**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**DOME LIGHT SECT 13**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**DOME LIGHT SECT 11**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**DOME LIGHT SECT 7**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**DOME LIGHT SECT 3**

- **PART NO.** 10495
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**GROUNDSPLICE PACK**

- **PART NO.** 10492
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**REAR ROW RHEOSTAT**

- **PART NO.** 10492
- **DATE** SEP 17
- **REV** INITIAL RELEASE

**Figure 189** Standard Stagger Dome LT FR and RR, with Rear Row 13 / 14 Window Sect L and R Body
8.47. STANDARD STAGGER DOME LT FR AND RR, WITH REAR ROW 12 WINDOW SECT L AND R BODY, P. 47

**Figure 190**  Standard Stagger Dome LT FR and RR, with Rear Row 12 Window Sect L and R Body
8.48. DOME LT ABOVE EACH SEAT WITH FR AND RR 14 WINDOW R BODY, P. 48

Figure 191  Dome LT Above Each Seat with FR and RR 14 Window R Body
8.49. DOME LT ABOVE EACH SEAT WITH FR AND RR 14 WINDOW R BODY, P. 49

Figure 192  Dome LT Above Each Seat with FR and RR 14 Window R Body
8.50. DOME LT ABOVE EACH SEAT WITH FR AND RR 14 WINDOW L BODY, P. 50

Figure 193  Dome LT Above Each Seat with FR and RR 14 Window L Body
8.51. DOME LT ABOVE EACH SEAT WITH FR AND RR 14 WINDOW L BODY (CONT.), P. 51

Figure 194  Dome LT Above Each Seat with FR and RR 14 Window L Body (Cont.)
8.52. DOME LT LAST ROW SECT OVERHEAD AND LEFT PANEL SWITCH, P. 52

Figure 195  Dome LT Last Row Sect Overhead and Left Panel Switch
Figure 196  Compartment Light
8.54. EMERGENCY DOOR LIGHT – OVERHEAD LOCKING COMPARTMENT, P. 54

Figure 197  Emergency Door Light – Overhead Locking Compartment
STOP ARM / CROSSING GATE (CHAPTER 9)

9.1. STOP ARM / CROSSING GATE WITHOUT CANCEL, P. 1

![Diagram of Stop Arm/Crossing Gate without Cancel]

Figure 198 Stop Arm / Crossing Gate without Cancel
9.2. STOP ARM / CROSSING GATE WITH AIR XGT CANCEL, P. 2

Figure 199  Stop Arm / Crossing Gate with Air XGT Cancel
9.3. STOP ARM / CROSSING GATE WITH ELECTRICAL XGT CANCEL, P. 3

Figure 200  Stop Arm / Crossing Gate with Electrical XGT Cancel
9.4. STOP ARM / CROSSING GATE WITH STOP ARM CANCEL OVERHEAD, P. 4

Figure 201  Stop Arm / Crossing Gate with Stop Arm Cancel Overhead
9.5. STOP ARM / CROSSING GATE WITH STOP ARM CANCEL L SWITCH PANEL, P. 5

Figure 202  Stop Arm / Crossing Gate with Stop Arm Cancel L Switch Panel
9.6. STOP ARM / CROSSING GATE FLORIDA, P. 6

Figure 203  Stop Arm / Crossing Gate Florida
9.7. CROSSING GATE, P. 7

Figure 204 Crossing Gate
9.8. STOP ARM STROBE HI / LO INTENSITY SWITCH L SWITCH PANEL, P. 8

Figure 205  Stop Arm Strobe HI / LO Intensity Switch L Switch Panel
9.9. STOP ARM STROBE HI / LO INTENSITY SWITCH L SWITCH PANEL WITH REAR, P. 9

Figure 206  Stop Arm Strobe HI / LO Intensity Switch L Switch Panel with Rear
9.10. STOP ARM STROBE HI / LO INTENSITY SWITCH L SWITCH PANEL WITH FLASHER SYSTEM, P. 10

Figure 207  Stop Arm Strobe HI / LO Intensity Switch L Switch Panel with Flasher System
9.11. STOP ARM STROBE HI / LO INTENSITY SWITCH L SWITCH PANEL WITH FLASHER SYSTEM WITH REAR, P. 11

Figure 208  Stop Arm Strobe HI / LO Intensity Switch L Switch Panel with Flasher System with Rear
9.12. STOP ARM / CROSSING GATE WITHOUT CANCEL WITH ZONAR, P. 12

Figure 209  Stop Arm / Crossing Gate without Cancel with Zonar
9.13. STOP ARM / CROSSING GATE WITH AIR XGT CANCEL WITH ZONAR, P. 13

Figure 210  Stop Arm / Crossing Gate with Air XGT Cancel with Zonar
9.14. ELECTRIC STOP ARM / CROSSING GATE WITH STOP ARM CANCEL OVERHEAD, P. 14

Figure 211 Electric Stop Arm / Crossing Gate with Stop Arm Cancel Overhead
Figure 212  Heated Mirror Overhead Switch
Figure 213  Heated Mirrors L Switch Panel
**10.3. MOTORIZED MIRROR, P. 3**

**HEATED MIRROR (10292)**

**FUSE F43 (10304) CH3_08**

**SWITCH ILLUM (10329) CH8_08**

**GROUND SPLICE (10337) CH3_26**

**GND STUD (0GND)**

**B78-G 18LGN**

**B78-G 18WH**

**B78C 18LGN**

**B78C 18WH**

**IKU SWITCH CH10_06**

**ONLY ONE SWITCH CAN BE ORDERED**

**NGV SWITCH CH10_09**

**W/ IKU SWITCH* W/ NGV SWITCH**

**SWITCH ILLUM (10329) CH8_08**

**B62AV 18DKBL**

**B78 18LGN**

**B78-G 18WH**

**GND STUD (0GND)**

**FUSE F43 (10304) CH3_08**

**S11-GM 10WH**

**Figure 214 Motorized Mirror**
10.4. HEATED MOTORIZED MIRROR WITH LEFT PANEL AND OVERHEAD SWITCH, P. 4

Figure 215  Heated Motorized Mirror with Left Panel and Overhead Switch
10.5. HEATED / MOTORIZED MIRROR WITH 20 MINUTE TIMER, P. 5

Figure 216  Heated / Motorized Mirror with 20 Minute Timer
10.6. HEATED AND MOTORIZED MIRROR CONTROL SWITCH (IKU), P. 6

Figure 217  Heated and Motorized Mirror Control Switch (IKU)
10.7. DRIVER SIDE HEATED AND MOTORIZED MIRROR CONTROL SWITCH (IKU), P. 7

Figure 218  Driver Side Heated and Motorized Mirror Control Switch (IKU)
10.8. PASSENGER SIDE HEATED AND MOTORIZED MIRROR CONTROL SWITCH (IKU), P. 8

Figure 219  Passenger Side Heated and Motorized Mirror Control Switch (IKU)
Figure 220  Heated and Motorized Mirror Control Switch (NGV)
10.10. DRIVER SIDE HEATED AND MOTORIZED MIRROR CONTROL SWITCH (NGV), P. 10

Figure 221  Driver Side Heated and Motorized Mirror Control Switch (NGV)
10.11. PASSENGER SIDE HEATED AND MOTORIZED MIRROR CONTROL SWITCH (NGV), P. 11

Figure 222  Passenger Side Heated and Motorized Mirror Control Switch (NGV)
Figure 223  Heated Cross View Mirror and Rear View Mirror
10.13. HEATED AIR SEAT, P. 13

Figure 224  Heated Air Seat
EMERGENCY EXIT SYSTEM (CHAPTER 11)

11.1. ALARM SWITCHED GROUND ADAPTER, P. 1

Figure 225 Alarm Switched Ground Adapter

* NOTE: SOME OF THESE CIRCUITS ARE LOOKING FOR A GROUND WHILE OTHERS ARE PROVIDING A GROUND. A NOTE HAS BEEN ADDED TO EACH CIRCUIT TO SHOW THIS INFORMATION.
11.2. KICK OUT WINDOW SECT 1 TO 8 L BODY, P. 2

Figure 226  Kick Out Window Sect 1 to 8 L Body
11.3. KICK OUT WINDOW SECT 9 TO 15 L BODY, P. 3

Figure 227  Kick Out Window Sect 9 to 15 L Body
Figure 228  Kick Out Window Sect 1 to 6 R Body
Figure 229  Kick Out Window Sect 7 to 12 R Body
Figure 230  Kick Out Window Sect 13 to 15 R Body
11.7. 3 INCH RED LT OVER KICK OUT WINDOW SECT 1 TO 4 L BODY, P. 7

NOTE: 1. REFERENCE CHAPTER 3 FOR COMPLETE DETAIL OF GROUND SPLICE BLOCKS.
2. REFERENCE CHAPTER 7 SHEET 001 FOR DETAILED DISPLAY OF DIR / CL LT SPLICE

Figure 231  3 Inch Red LT Over Kick Out Window Sect 1 to 4 L Body
11.8. 3 INCH RED LT OVER KICK OUT WINDOW SECT 6 TO 8 L BODY, P. 8

Figure 232 3 Inch Red LT Over Kick Out Window Sect 6 to 8 L Body
11.9. 3 INCH RED LT OVER KICK OUT WINDOW SECT 8 TO 12 L BODY, P. 9

Figure 233  3 Inch Red LT Over Kick Out Window Sect 8 to 12 L Body
CHAPTER 11

3 INCH RED LT OVER KICK OUT WINDOW SECT 13 TO 15 L BODY

NOTE: 1. REFERENCE CHAPTER 3 FOR COMPLETE DETAIL OF GROUND SPLICE BLOCKS.
   2. REFERENCE CHAPTER 7 SHEET 001 FOR DETAILED DISPLAY OF DIR / CL LT SPLICE

Figure 234  3 Inch Red LT Over Kick Out Window Sect 13 to 15 L Body
11.11. 3 INCH RED LT OVER KICK OUT WINDOW SECT 1 TO 6 R BODY, P. 11

Figure 235  3 Inch Red LT Over Kick Out Window Sect 1 to 6 R Body
**11.12. 3 INCH RED LT OVER KICK OUT WINDOW SECT 7 TO 12 R BODY, P. 12**

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**Figure 236** 3 Inch Red LT Over Kick Out Window Sect 7 to 12 R Body

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**ELECTRICAL CIRCUIT DIAGRAM MANUAL**
11.13. 3 INCH RED LT OVER KICK OUT WINDOW SECT 13 TO 15 R BODY, P. 13

Figure 237  3 Inch Red LT Over Kick Out Window Sect 13 to 15 R Body
11.14. 3 INCH RED LT OVER RIGHT SIDE EMERGENCY DOOR WITHOUT KICK OUT LIGHT, P. 14

Figure 238  3 Inch Red LT Over Right Side Emergency Door without Kick Out Light
11.15. 3 INCH RED LT OVER RIGHT SIDE EMERGENCY DOOR WITH KICK OUT LIGHT, P. 15

Figure 239  3 Inch Red LT Over Right Side Emergency Door with Kick Out Light
11.16. 3 INCH RED LT OVER RIGHT SIDE EMERGENCY DOOR WITH KICK OUT LIGHT (CONT.), P. 16

Figure 240  3 Inch Red LT Over Right Side Emergency Door with Kick Out Light (Cont.)
11.17. 3 INCH RED LT TO IGNITION FEED OVER SIDE SECT 7 TO 8 R BODY, P. 17

Figure 241  3 Inch Red LT To Ignition Feed Over Side Sect 7 to 8 R Body
Figure 242  Roof Hatch Sect 1 to 10 L Body
11.19. ROOF HATCH SECT 11 TO 15 L BODY, P. 19

Figure 243  Roof Hatch Sect 11 to 15 L Body
11.20. ROOF HATCH WITH STARTER INTERLOCK FOR SECT 1 TO 4 AND 9 TO 12 L BODY, P. 20

Figure 244  Roof Hatch with Starter Interlock for Sect 1 to 4 and 9 to 12 L Body
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**CHAPTER 11**

LEFT SIDE EMERGENCY DOOR

**ELECTRICAL CIRCUIT DIAGRAM**

**REFERENCE**

**RELEASE NO.**

**SHEET**

**CHECK**

**DRAWN**

**DATE**

**CHANGE**

**REV**

**DATE**

**ELECTRICAL CIRCUIT DIAGRAM MANUAL**

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@ W/3 EXTERIOR LIGHTS
* W/ACTIVATED CL LIGHT & DOOR

# C - SINGLE LIFT DOOR INTERLOCK SECT 3-4
D - SINGLE LIFT DOOR INTERLOCK SECT 4-5
E - SINGLE LIFT DOOR INTERLOCK SECT 5-6
F - SINGLE LIFT DOOR INTERLOCK SECT 6-7
G - SINGLE LIFT DOOR INTERLOCK SECT 7-8
H - SINGLE LIFT DOOR INTERLOCK SECT 8-9
J - SINGLE LIFT DOOR INTERLOCK SECT 9-10
N/ 12 WDO BUS
K - SINGLE LIFT DOOR INTERLOCK SECT 10-11
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ELECTRICAL CIRCUIT DIAGRAM

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* 10503 - FOR 15 AND 14 WINDOW BUS
10502 - FOR 13 WINDOW BUS
10500 - FOR 12 WINDOW BUS
# 10498 - FOR 15, 14 AND 13 WINDOW BUS
10497 - FOR 12 WINDOW BUS

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@ 10749 - FOR 15 & 14 WINDOW BUS
10748 - FOR 13 & 14 WINDOW BUS
10775 - FOR 12 WINDOW BUS
# 10752 - FOR 15 WINDOW BUS
10750 - FOR 14 & 13 WINDOW BUS
10749 - FOR 12 WINDOW BUS
% 10756 - FOR 15 WINDOW BUS
10755 - FOR 14 WINDOW BUS
10754 - FOR 13 WINDOW BUS
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![Electric Horn Circuit Diagram](image_url)

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### Connector Composites (12M, 13M, 14M)

#### Connector Body Composites Mating View Shown

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#### Connector (168180IC1)

**Instr Cluster Green** (Located Inside Center Dash Panel)

- 1: A520 IB CKBL 1661599C1
- 2: A31A IB TN 1661599C1
- 3: A52-GK IB WH 1661599C1
- 4: A28C IB TN 1661599C1
- 5: A1B IB PK 1661599C1
- 6: - - -
- 7: A25 IB LTGN 1661599C1
- 8: A28C IB TN 1661599C1
- 9: A44C IB GY 1661599C1
- 10: A44F IB GY 1661599C1
- 11: A52-SC IB WH 1661599C1
- 12: - - -
- 13: A28A IB TN 1661599C1
- 14: A57AF IB TN 1661599C1
- 15: A97T IB VT 1661599C1
- 16: - - -
- 17: A40A IB GY 1661599C1

- W/Seat Belt
- W/Parking Brake Warning Alarm
- W/Park Brake Indicator

#### Connector (168120IC1)

**Turn Signal** (13M) (Located Inside Center Dash Panel)

- A: A57A 14 OR 356671SC1
- B: - - -
- C: A55A 14 OR 356671SC1
- D: A55AA 16 OR 361200C1
- E: A55 14 YL 356671SC1
- F: A56 16 YL 361200C1
- G: A56A 14 OR 356671SC1
- H: A56A 16 YL 361200C1
- I: A57 14 YL 356671SC1
- J: A57 16 YL 361200C1

- W/Aux Flasher Switch
- W/Aux Flasher Switch

#### Connector (360180IC1)

**Steering Angle Sensor** (14M) (Located at Transition Tire Chains)

- A: A945C2 16 BK 360180IC1
- B: A945S2 16 RD 360180IC1
- C: A945HZ 16 YL 360180IC1
- D: A945LS 16 GN 360180IC1
- E: - - -
- F: - - -
- G: - - -

---

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LEFT TURN LIGHT (240)
(LOCATED ON LEFT SIDE OF FRONT OF VEHICLE)

CONNECTOR 1891259C1
BODY LOCK 1661263C1

LEFT TURN LIGHT (250)
(LOCATED ON LEFT SIDE OF FRONT OF VEHICLE)

CONNECTOR 1861260C1
BODY LOCK 1661264C1

ABS WARN (297)
(LOCATED INSIDE CENTER DASH PANEL)

CONNECTOR 2001688C1

DAYTIME RUNNING LIGHT CONNECTOR (DRL)
(LOCATED INSIDE CENTER DASH PANEL)

CONNECTOR 1661203C1

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**Navistar, Inc.**

**Electrical Circuit Diagram**

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**Connector Body Composites Matting View Shown**

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**Connector 1673744C1**

**Connector Composites (382M, 391, 392)**

**Connector 3530584C1**

**Connector 3530583C1**

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**Figure 398**  Connector Composites (1033, 1033B, 1034, 1036, 1337)
17.28. CONNECTOR COMPOSITES (1038, 1040, 1041), P. 24

Figure 399  Connector Composites (1038, 1040, 1041)
17.29. CONNECTOR COMPOSITES (1042A, 1042B, 1043A, 1050), P. 25

Figure 400 Connector Composites (1042A, 1042B, 1043A, 1050)
17.30. CONNECTOR COMPOSITES (1062, 1063, 1065), P. 26

Figure 401  Connector Composites (1062, 1063, 1065)
### Connector Composites (1100, 1135, 1136)

**Key Switch** (1100)  
(Located on Dash Board)

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Connector 3566518C1  
Body Lock 3566519C1

**Left Defog Fan** (1135)  
(Located in Instrument Panel Center)

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Connector 2206672C1

**Right Defog Fan** (1136)  
(Located in Instrument Panel Center)

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Connector 2206672C1

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Figure 402  Connector Composites (1100, 1135, 1136)
17.32. CONNECTOR COMPOSITES (1137, 1138, 1139, 1139A, 1139B), P. 28

Master Flasher Switch (1137)

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Flasher Light Start Switch (1138)

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Overside Switch (1139)

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Panel Light (1139A)

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Figure 403 Connector Composites (1137, 1138, 1139, 1139A, 1139B)
17.33. CONNECTOR COMPOSITES (1141, 1142, 1143A, 1143B), P. 29

**Figure 404  Connector Composites (1141, 1142, 1143A, 1143B)**
17.34. CONNECTOR COMPOSITES (1149, 1150, 1150B), P. 30

**Figure 405 Connector Composites (1149, 1150, 1150B)**

---

### Diagrams

**Door Control**

- Connector: 3596676C9

**Parked Regen**

- Connector: 3530564C1

**Parked Switch**

- Connector: 3530564C1

### Connector Composites (1149, 1150, 1150B)

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17.35. CONNECTOR COMPOSITES (1151, 1151A, 1153, 1153A, 1205), P. 31

Figure 406 Connector Composites (1151, 1151A, 1153, 1153A, 1205)
17.36. CONNECTOR COMPOSITES (1206, 1349, 1350, 1351, 1400), P. 32

Figure 407  Connector Composites (1206, 1349, 1350, 1351, 1400)
Figure 408  Connector Composites (1401, 1402, 1403)
17.38. CONNECTOR COMPOSITES (1410, 1600), P. 32B

Figure 409  Connector Composites (1410, 1600)
17.39. CONNECTOR COMPOSITES (1601, 1602), P. 33

Figure 410  Connector Composites (1601, 1602)
Figure 411  Connector Composites (1604, 1606, 1650, 1700)
17.41. CONNECTOR COMPOSITES (1700), P. 34A

**W/RETARDER**  
**W/ ALLISON 3000/B-400 SERIES W/0504523, N/RETR

| CHART CONTINUED FROM SHEET 034 | ELECTRICAL CIRCUIT DIAGRAM | CHAPTER 17  
|-------------------------------|-----------------------------|---------------
| TO CHASSIS INTERCONNECT (1700) | NAVISTAR, INC | CONNECTOR BODY COMPOSITES MATING VIEW SHOWN  

**CONNECTOR 3595623C1**

**Figure 412 Connector Composites (1700)**
17.42. CONNECTOR COMPOSITES (1707M, 1800M, 1908, 2233), P. 35

**Figure 413** Connector Composites (1707M, 1800M, 1908, 2233)
17.43. CONNECTOR COMPOSITES (3117, 3118, 3322), P. 36

Figure 414 Connector Composites (3117, 3118, 3322)
17.44. CONNECTOR COMPOSITES (3344, 4433), P. 36A

Figure 415 Connector Composites (3344, 4433)
17.45. CONNECTOR COMPOSITES (4800, 4801, 5263C, 5263F, 5263M), P. 37

Figure 416  Connector Composites (4800, 4801, 5263C, 5263F, 5263M)
17.46. CONNECTOR COMPOSITES (6200, 6348F, 6348M), P. 38

Figure 417  Connector Composites (6200, 6348F, 6348M)
17.47. CONNECTOR COMPOSITES (8721, 8787, 9003A, 9900), P. 39

Figure 418  Connector Composites (8721, 8787, 9003A, 9900)
17.48. CONNECTOR COMPOSITES (9900A, 9901, 9902, 9902A), P. 40

**SEAT BELT SWITCH**
(9900A)
(LOCATED NEAR FUSE BLOCK IN INSTRUMENT PANEL)

**SEAT BELT ALARM**
(9901)
(LOCATED NEAR DRIVER SEAT)

**SEAT BELT**
(9902)
(LOCATED ON DRIVER SEAT)

**SEAT BELT**
(9902A)
(LOCATED ON DRIVER SEAT)

Figure 419  Connector Composites (9900A, 9901, 9902, 9902A)
17.49. CONNECTOR COMPOSITES (9903, 9904, 9996, 9999), P. 41

**Figure 420**  Connector Composites (9903, 9904, 9996, 9999)
Figure 421 Connector Composites (10000)
17.51. CONNECTOR COMPOSITES (10000), P. 43

Figure 422 Connector Composites (10000)
17.52. CONNECTOR COMPOSITES (10001), P. 44

Figure 423 Connector Composites (10001)
17.53. CONNECTOR COMPOSITES (10003, 10003L, 10004), P. 45

**Figure 424 Connector Composites (10003, 10003L, 10004)**
17.54. CONNECTOR COMPOSITES (10004, 10009, 10010), P. 46

Figure 425  Connector Composites (10004, 10009, 10010)
17.55. CONNECTOR COMPOSITES (10011, 10012, 10013), P. 47

Figure 426  Connector Composites (10011, 10012, 10013)
17.56. CONNECTOR COMPOSITES (10014, 10014A, 10015, 10016), P. 48

**NAVISTAR, INC**

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 17**

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

---

**FAR RIGHT DEFOG FAN**

(10014)

(LOCATED AT FRONT BULKHEAD-RIGHT)

![Diagram of FAR RIGHT DEFOG FAN](image)

**CONNECTOR 1661899C1**

**BODY LOCK 1661890C1**

* W/CTR L & FAR R DEFOG FANS - R SW

# W/FAR R DEFOG FAN - R SW

---

**FAR RIGHT DEFOG FAN - AE**

(10014A)

(LOCATED AT FRONT BULKHEAD-RIGHT)

![Diagram of FAR RIGHT DEFOG FAN - AE](image)

**CONNECTOR 1661899C1**

**BODY LOCK 1661890C1**

---

**CENTER BLOWER**

(10015)

(LOCATED AT FRONT BULKHEAD-RIGHT)

![Diagram of CENTER BLOWER](image)

**CONNECTOR 2206660C1**

* W/CTR BLOWER - L SW

# W/CTR BLOWER - R SW

---

**CORNER MARKER LT**

(10016)

(LOCATED AT FRONT BULKHEAD-LEFT)

![Diagram of CORNER MARKER LT](image)

**CONNECTOR 1661259C1**

**BODY LOCK 1661263C1**

---

**CAV CIRCUIT** | **GA** | **COLOR** | **TERMINAL**
---|---|---|---
A | C76H | LTGN | 1661261C1
A# | C76C | LTGN | 1661261C1
B | C76J | LTGN | 1661261C1
B# | C76D | LTGN | 1661261C1
C | C76-GE | WH | 1661261C1
C# | C76-GC | WH | 1661261C1

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**Figure 427 Connector Composites (10014, 10014A, 10015, 10016)**
17.57. CONNECTOR COMPOSITES (10017, 10018, 10019, 10020, 10021, 10022), P. 49

Figure 428  Connector Composites (10017, 10018, 10019, 10020, 10021, 10022)
17.58. CONNECTOR COMPOSITES (10023, 10024, 10025A, 10025B), P. 50

HEATED MIRROR (10023) (LOCATED AT LEFT DRIVER CONTROL MODULE)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

RIGHT HTD MIRROR (10024) (LOCATED AT RIGHT DRIVER CONTROL MODULE)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

LIGHT MONITOR CONNECTOR A (10025A) (LOCATED AT FRONT BULKHEAD)

CONNECTOR 2206662C1

LIGHT MONITOR CONNECTOR B (10025B) (LOCATED AT FRONT BULKHEAD)

CONNECTOR 2206667C1

Figure 429  Connector Composites (10023, 10024, 10025A, 10025B)
17.59. CONNECTOR COMPOSITES (10025C, 10025D, 10026A), P. 51

Figure 430  Connector Composites (10025C, 10025D, 10026A)
17.60. CONNECTOR COMPOSITES (10026B, 10026C, 10026D), P. 52

**Figure 431** Connector Composites (10026B, 10026C, 10026D)
17.61. CONNECTOR COMPOSITES (10026D, 10027, 10028, 10028A), P. 53

**NAVISTAR, INC**

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**ELECTRICAL CIRCUIT DIAGRAM**

CHAPTER 17

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

---

**LIGHT MONITOR CONNECTOR D**

(LOCATED AT FRONT BULKHEAD-LEFT)

CONNECTOR 2206664C1

**PA HORN**

(10027)

(LOCATED IN CAB)

CONNECTOR 1661259C1

BODY LOCK 1661263C1

**RED WARNING LT**

(LOCATED AT FRONT BULKHEAD-LEFT)

CONNECTOR 1669029C1

**RED WARNING LT**

(LOCATED AT FRONT BULKHEAD-LEFT)

CONNECTOR 1669029C1

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**CAV CIRCUIT GA COLOR TERMINAL**

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**CAV CIRCUIT GA COLOR TERMINAL**

<table>
<thead>
<tr>
<th>CAV</th>
<th>CIRCUIT</th>
<th>GA</th>
<th>COLOR</th>
<th>TERMINAL</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>C86</td>
<td>16</td>
<td>LTGN</td>
<td>1661261C1</td>
</tr>
<tr>
<td>B</td>
<td>C86A</td>
<td>16</td>
<td>LTGN</td>
<td>1661261C1</td>
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</tbody>
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**CAV CIRCUIT GA COLOR TERMINAL**

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<th>GA</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C89LRA</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>1#</td>
<td>C89R-M</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>1%</td>
<td>C89R</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>2</td>
<td>C89-GA</td>
<td>16</td>
<td>WH</td>
</tr>
</tbody>
</table>

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**CAV CIRCUIT GA COLOR TERMINAL**

<table>
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<th>CIRCUIT</th>
<th>GA</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C89LRA</td>
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<td>OR</td>
</tr>
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<td>C89R-M</td>
<td>16</td>
<td>OR</td>
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<tr>
<td>1%</td>
<td>C89R</td>
<td>16</td>
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</tr>
<tr>
<td>2</td>
<td>C89-GA</td>
<td>16</td>
<td>WH</td>
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**CAV CIRCUIT GA COLOR TERMINAL**

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<th>CIRCUIT</th>
<th>GA</th>
<th>COLOR</th>
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</thead>
<tbody>
<tr>
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<td>C89LRA</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>1#</td>
<td>C89R-M</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>1%</td>
<td>C89R</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>2</td>
<td>C89-GA</td>
<td>16</td>
<td>WH</td>
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**CAV CIRCUIT GA COLOR TERMINAL**

<table>
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<th>CIRCUIT</th>
<th>GA</th>
<th>COLOR</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>C89LRA</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>1#</td>
<td>C89R-M</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>1%</td>
<td>C89R</td>
<td>16</td>
<td>OR</td>
</tr>
<tr>
<td>2</td>
<td>C89-GA</td>
<td>16</td>
<td>WH</td>
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</tbody>
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**Figure 432 Connector Composites (10026D, 10027, 10028, 10028A)**
17.62. CONNECTOR COMPOSITES (10029, 10029A, 10030, 10030A), P. 54

Figure 433  Connector Composites (10029, 10029A, 10030, 10030A)
Figure 434  Connector Composites (10031, 10031A, 10032A)
17.64. CONNECTOR COMPOSITES (10032B, 10033A, 10034, 10035), P. 56

Figure 435  Connector Composites (10032B, 10033A, 10034, 10035)
17.65. CONNECTOR COMPOSITES (10036, 10038, 10039, 10041, 10042), P. 57

Figure 436  Connector Composites (10036, 10038, 10039, 10041, 10042)
17.66. CONNECTOR COMPOSITES (10043, 10046, 10046A, 10047), P. 58

Figure 437  Connector Composites (10043, 10046, 10046A, 10047)
17.67. CONNECTOR COMPOSITES (10047, 10048), P. 59

**Figure 438**  Connector Composites (10047, 10048)
Figure 439  Connector Composites (10049, 10050, 10051, 10052)
17.69. CONNECTOR COMPOSITES (10052, 10053, 10054, 10057A, 10059), P. 61

**Figure 440** Connector Composites (10052, 10053, 10054, 10057A, 10059)
17.70. CONNECTOR COMPOSITES (10060, 10061, 10070, 10072), P. 62

**Figure 441** Connector Composites (10060, 10061, 10070, 10072)
### Connector Composites (10075, 10076, 10077, 10078, 10083)

#### LEFT AMBER WARNING LIGHT
**Located at Front Bulkhead-Left**

<table>
<thead>
<tr>
<th>Connector</th>
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</thead>
<tbody>
<tr>
<td>10075</td>
<td>10076</td>
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</tbody>
</table>

**CAV Circuit Ga Color Terminal**

- A: BG-LB 1B or 1661261C1
- B: C69-GE 1B WH 1661261C1
- C: - - - -

#### LEFT RED WARNING LIGHT
**Located at Front Bulkhead-Left**

<table>
<thead>
<tr>
<th>Connector</th>
<th>Body Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>10076</td>
<td>10077</td>
</tr>
</tbody>
</table>

**CAV Circuit Ga Color Terminal**

- A: C69LB 1B or 1661261C1
- B: C69-GE 1B WH 1661261C1
- C: - - - -

#### RIGHT AMBER WARNING LIGHT
**Located at Front Bulkhead-Right**

<table>
<thead>
<tr>
<th>Connector</th>
<th>Body Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>10077</td>
<td>10078</td>
</tr>
</tbody>
</table>

**CAV Circuit Ga Color Terminal**

- A: C69RG 1B or 1661261C1
- B: C69-GE 1B WH 1661261C1
- C: - - - -

#### RIGHT RED WARNING LIGHT
**Located at Front Bulkhead-Right**

<table>
<thead>
<tr>
<th>Connector</th>
<th>Body Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>10078</td>
<td>10083</td>
</tr>
</tbody>
</table>

**CAV Circuit Ga Color Terminal**

- A: C55RR 1B or 1661261C1
- B: C55-GE 1B WH 1661261C1
- C: - - - -

#### SOP Module
**Located at Front Bulkhead-Right**

<table>
<thead>
<tr>
<th>Connector</th>
<th>Body Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>3831401C1</td>
<td>3831401C1</td>
</tr>
</tbody>
</table>

**CAV Circuit Ga Color Terminal**

- 1: C12L 20 Y5 353605C1
- 2: C12SF 20 Y5 353605C1
- 3-4: - - - -
- 5: C5A1+ 20 YL 353605C1
- 6: C5A1- 20 GN 353605C1
- 7: CB7 20 WH 353605C1
- 8: C67 20 Y5 353605C1
- 9: C12C 20 Y5 353605C1
- 10: C12D 20 Y5 353605C1
- 11: C15Z 20 Y5 353605C1
- 12: C5D1+ 20 YL 353605C1
- 13: C5D1- 20 GN 353605C1
- 14-15: - -
- 16: C12-GE 20 WH 353605C1

---

**Figure 442** Connector Composites (10075, 10076, 10077, 10078, 10083)
17.72. CONNECTOR COMPOSITES (10084, 10085, 10086), P. 63A

Figure 443 Connector Composites (10084, 10085, 10086)
17.73. CONNECTOR COMPOSITES (10100, 10101, 10102), P. 64

Figure 444  Connector Composites (10100, 10101, 10102)
## 17.74. CONNECTOR COMPOSITES (10103, 10104, 10105, 10106, 10107), P. 65

**NAVISTAR, INC**

**CHAPTER 17**

**ELECTRICAL CIRCUIT DIAGRAM**

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

---

**LH REAR GRILLE LIGHT (10103)** (LOCATED IN REAR CAP)

- Connector 2206592C1

**LH REAR GRILLE LIGHT (10104)** (LOCATED IN REAR CAP)

- Connector 2206587C1

**GRILLE DOOR SWITCH (10105)** (LOCATED IN REAR CAP)

- Connector 2206588C1

**LH ENGINE COMPARTMENT LIGHT (10106)** (LOCATED AT ENGINE COMPARTMENT)

- Connector 1661259C1

**LH ENGINE COMPARTMENT LIGHT (10107)** (LOCATED AT ENGINE COMPARTMENT)

- Connector 1661259C1

---

**Figure 445** Connector Composites (10103, 10104, 10105, 10106, 10107)
17.75. CONNECTOR COMPOSITES (10108, 10109, 10110, 10112, 10113), P. 66

**Figure 446**  Connector Composites (10108, 10109, 10110, 10112, 10113)
17.76. CONNECTOR COMPOSITES (10114, 10115, 10116, 10117, 10118), P. 67

Figure 447  Connector Composites (10114, 10115, 10116, 10117, 10118)
17.77. CONNECTOR COMPOSITES (10119, 10120, 10121, 10122, 10123), P. 68

**Figure 448 Connector Composites (10119, 10120, 10121, 10122, 10123)**
17.78. CONNECTOR COMPOSITES (10124, 10125, 10127, 10127A, 10128), P. 69

**Figure 449**  Connector Composites (10124, 10125, 10127, 10127A, 10128)
17.79. CONNECTOR COMPOSITES (10129, 10130, 10133, 10135, 10136), P. 70

Figure 450  Connector Composites (10129, 10130, 10133, 10135, 10136)
17.80. CONNECTOR COMPOSITES (10137, 10138, 10139, 10140, 10141), P. 71

Figure 451  Connector Composites (10137, 10138, 10139, 10140, 10141)
### 17.81. Connector Composites (10142, 10143, 10144, 1046, 10147, 10153), P. 72

#### Connector Body Composites Mating View Shown

**Connector 1661263C1**

**Emergency Exit Light (10142)**
- Connector 1661263C1
- Body Lock 1661263C1

**Destination Sign (10143)**
- Connector 1661263C1
- Body Lock 1661263C1

**Emergency Exit Light (10144)**
- Connector 1661263C1
- Body Lock 1661263C1

**Drivers Alert Sign 5-Way (10146)**
- Connector 2206593C1

**Drivers Alert Sign 3-Way (10147)**
- Connector 2206622C1

**Rear Air Conditioner (10193)**
- Connector 2206622C1

---

**Figure 452** Connector Composites (10142, 10143, 10144, 1046, 10147, 10153)
17.82. CONNECTOR COMPOSITES (10154, 10155A, 10155B, 10156, 10157), P. 73

**Figure 453** Connector Composites (10154, 10155A, 10155B, 10156, 10157)
17.83. CONNECTOR COMPOSITES (10160, 10161), P. 74

Figure 454  Connector Composites (10160, 10161)
17.84. CONNECTOR COMPOSITES (10176, 10181, 10182), P. 75

Figure 455  Connector Composites (10176, 10181, 10182)
17.85. CONNECTOR COMPOSITES (10200), P. 76

**Figure 456 Connector Composites (10200)**
17.86. CONNECTOR COMPOSITES (10201, 10202), P. 77

Figure 457  Connector Composites (10201, 10202)
## 17.87. CONNECTOR COMPOSITES (10203, 10204), P. 78

**NAVISTAR, INC.**

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 17**

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

### Figure 458

**Connector Composites (10203, 10204)**

---

**Table: Connector Composites (10203, 10204)**

<table>
<thead>
<tr>
<th>Connector</th>
<th>Pin</th>
<th>Color</th>
<th>Terminal</th>
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<tbody>
<tr>
<td>35305835C1</td>
<td>1</td>
<td>B120AR</td>
<td>LT BL 1681224C1</td>
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<tr>
<td></td>
<td>2</td>
<td>B120Y</td>
<td>LT GN 1681224C1</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>B120AA</td>
<td>LT GN 1681224C1</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>B120W</td>
<td>SY 1681224C1</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>B120WA</td>
<td>SY 1681224C1</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td>7</td>
<td>BR2-CAX</td>
<td>WH 1681224C1</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>BB2AX</td>
<td>BK BL 1681224C1</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>-</td>
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<tr>
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**Table: Alarm SW GND**

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<tbody>
<tr>
<td>30079(35C)</td>
<td>A</td>
<td>B11-34</td>
<td>LT BL 1681208C1</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>B117</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>B1170</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>B120</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>E</td>
<td>B120K</td>
<td>LT GN 1681208C1</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>B120W</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>G</td>
<td>B120WA</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>H</td>
<td>B117E</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>B117A</td>
<td>SY 1681208C1</td>
</tr>
<tr>
<td></td>
<td>J</td>
<td>B14R</td>
<td>LT GN 1681208C1</td>
</tr>
</tbody>
</table>

---

- **W/ NO REAR EMER EXIT OPTIONS**
- **W/ REAR EMER EXIT OPTIONS**
- **W/ POST TRIP W/ SNOOZE**
- **W/ POST TRIP IN SPECIFICATION**

---

**Figure 458**

Connector Composites (10203, 10204)
17.88. CONNECTOR COMPOSITES (10207A, 10208), P. 79

Figure 459  Connector Composites (10207A, 10208)
17.89. CONNECTOR COMPOSITES (10210), P. 80

Figure 460  Connector Composites (10210)
17.90. CONNECTOR COMPOSITES (10212, 10213), P. 81

**Figure 461** Connector Composites (10212, 10213)

**COB**

CONNECTOR 3761059C1

**FOG LIGHT**

CONNECTOR 3530563C1

**CHECK MATE MODULE**

CONNECTOR 3761059C1
### Figure 462  Connector Composites (10214D, 10214L, 10215, 10216)

#### DOOR OPEN (10214D)
(Connected to entrance door in instrument panel)

- **CAV CIRCUIT** GA COLOR TERMINAL
  - A- B120S 16 LT GN 1661538C1
  - A# B120T 16 LT GN 1661538C1

* W/AIR DOOR ROTARY SWITCH
# W/ELECTRIC DOOR TOGGLE SWITCH W/BREAKER

#### DOOR OPEN (10214L)
(Connected to entrance door in instrument panel)

- **CAV CIRCUIT** GA COLOR TERMINAL
  - A- B120S 16 LT GN 0239806R1
  - A# B120T 16 LT GN 0239806R1

* W/DOME LIGHTS ACTIVATED BY ENTRANCE DOOR
# W/PEDESTRIAN LIGHT

#### DOME LT RHEOSTAT (10215)
(Located near fuse block in instrument panel)

- **CAV CIRCUIT** GA COLOR TERMINAL
  - 1 B63J 16 DK BL 1661538C1
  - 2 B63H 16 DK BL 1661538C1

#### REAR ROW RHEOSTAT (10216)
(Located near fuse block in instrument panel)

- **CAV CIRCUIT** GA COLOR TERMINAL
  - 1 B63J 16 DK BL 1661538C1
  - 2 B63H 16 DK BL 1661538C1
17.92. CONNECTOR COMPOSITES (10217, 10218, 10219), P. 83

**Figure 463** Connector Composites (10217, 10218, 10219)
17.93. CONNECTOR COMPOSITES (10220, 10221, 10224), P. 84

### CROSSING GATE (10220)

(LOCATED NEAR DRIVER TOP)

<table>
<thead>
<tr>
<th>CAV</th>
<th>CIRCUIT</th>
<th>GA</th>
<th>COLOR</th>
<th>TERMINAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B119L</td>
<td>18</td>
<td>GY</td>
<td>1661539C1</td>
</tr>
<tr>
<td>2</td>
<td>B119G</td>
<td>18</td>
<td>WH</td>
<td>1661539C1</td>
</tr>
</tbody>
</table>

CONNECTOR 1669029C1

### STOP ARM (10221)

(LOCATED NEAR DRIVER TOP)

<table>
<thead>
<tr>
<th>CAV</th>
<th>CIRCUIT</th>
<th>GA</th>
<th>COLOR</th>
<th>TERMINAL</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>B119A</td>
<td>18</td>
<td>GY</td>
<td>1661261C1</td>
</tr>
<tr>
<td>2</td>
<td>B89F</td>
<td>18</td>
<td>OR</td>
<td>1661261C1</td>
</tr>
<tr>
<td>3</td>
<td>B89E</td>
<td>18</td>
<td>OR</td>
<td>1661261C1</td>
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<td>4</td>
<td>B119D</td>
<td>18</td>
<td>GY</td>
<td>1661261C1</td>
</tr>
<tr>
<td>#</td>
<td>B119D</td>
<td>16</td>
<td>GY</td>
<td>1661261C1</td>
</tr>
<tr>
<td>6</td>
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<td>18</td>
<td>WH</td>
<td>1661261C1</td>
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</table>

CONNECTOR 3815785C1

BODY LOCK 3815993C1

* W/ STOP ARM EXTEND N/ CANCEL

# W/ STOP ARM W/ CANCEL OVERHEAD

### TEMP SENSOR (10224)

(LOCATED NEAR DRIVER TOP)

<table>
<thead>
<tr>
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<th>GA</th>
<th>COLOR</th>
<th>TERMINAL</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>B41H</td>
<td>18</td>
<td>TN</td>
<td>0587578C1</td>
</tr>
<tr>
<td>B</td>
<td>B41F</td>
<td>18</td>
<td>TN</td>
<td>0587578C1</td>
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</table>

CONNECTOR 0587567C91

---

**Figure 464**  Connector Composites (10220, 10221, 10224)
17.94. CONNECTOR COMPOSITES (10225, 10226), P. 85

**HEAHEADLIGHT SPLICE**

(LOCATED NEAR FUSE BLOCK IN INSTRUMENT PANEL)

<table>
<thead>
<tr>
<th>G</th>
<th>F</th>
<th>E</th>
<th>D</th>
<th>C</th>
<th>B</th>
<th>A</th>
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</tbody>
</table>

**CAV CIRCUIT GA COLOR TERMINAL**

A 853A | 14 YL 356677C1
B 853E | - - -
F 853I | 14 GY 356677C1
F 853J | 14 LTGN 356677C1
F 853P | 14 YL 356677C1
G - - -

**CONNECTOR 2009790C1**

**BODY LOCK 2009792C1**

**FRONT PARK VENT**

(LOCATED AT LEFT SIDE OF INSTRUMENT PANEL)

<table>
<thead>
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<th>CAV CIRCUIT GA COLOR TERMINAL</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>2 B76C</td>
</tr>
<tr>
<td>3 B76C4</td>
</tr>
<tr>
<td>4 - - -</td>
</tr>
<tr>
<td>5 - - -</td>
</tr>
<tr>
<td>6 B76C4L</td>
</tr>
<tr>
<td>7 B62-SC</td>
</tr>
<tr>
<td>8 B62C</td>
</tr>
<tr>
<td>9 - - -</td>
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<tr>
<td>10 - - -</td>
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</table>

**CONNECTOR 3530563C1**

---

**Figure 465  Connector Composites (10225, 10226)**
Figure 466  Connector Composites (10227, 10228)
17.96. CONNECTOR COMPOSITES (10229, 10230A), P. 87

Figure 467  Connector Composites (10229, 10230A)
17.97. CONNECTOR COMPOSITES (10230B, 10231A), P. 88

**Figure 468 Connector Composites (10230B, 10231A)**
17.98. CONNECTOR COMPOSITES (10231B, 10232A, 10232B), P. 89

Figure 469  Connector Composites (10231B, 10232A, 10232B)
17.99. CONNECTOR COMPOSITES (10233A, 10233B, 10234A), P. 90

Figure 470  Connector Composites (10233A, 10233B, 10234A)
17.100. CONNECTOR COMPOSITES (10234B, 10235, 10236), P. 91

**Figure 471**  Connector Composites (10234B, 10235, 10236)
### 17.101. Connector Composites (10237, 10238, 10239), P. 92

**Figure 472 Connector Composites (10237, 10238, 10239)**

**Connector Body Composites Mating View Shown**

#### Connector 3530563C1

**Flasher Start (10237)**

<table>
<thead>
<tr>
<th>CAV</th>
<th>Circuit</th>
<th>GA</th>
<th>Color</th>
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**Flasher Override (10238)**

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**Flasher Cancel (10239)**

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* W/Flasher Cancel Common
# W/Flasher Cancel Single Cycle
17.102. CONNECTOR COMPOSITES (10240, 10241A, 10241B), P. 93

Figure 473  Connector Composites (10240, 10241A, 10241B)
17.103. CONNECTOR COMPOSITES (10242, 10243, 10243B), P. 94

Figure 474  Connector Composites (10242, 10243, 10243B)
Figure 475  Connector Composites (10244, 10244B, 10245)
RIGHT FRONT/ADDL LEFT REAR AUX HEATER
(10245B)
(LOCATED IN CAB AT FRONT LEFT)

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CONNECTOR 3530563C1

RIGHT REAR AUX HEATER
(10246)
(LOCATED IN CAB AT FRONT RIGHT)

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CONNECTOR 3530563C1

RIGHT REAR AUX HEATER
(10246B)
(LOCATED IN CAB AT FRONT RIGHT)

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CONNECTOR 3530563C1

Figure 476  Connector Composites (10245B, 10246, 10246B)
17.106. CONNECTOR COMPOSITES (10247, 10247A, 10248), P. 97

Figure 477 Connector Composites (10247, 10247A, 10248)
17.107. CONNECTOR COMPOSITES (10248A, 10249, 10250), P. 98

**LEFT AUX HEATER REAR POS**
(Located in cab at front left)

![Connector Diagram](image)

**Connector 2206662C1**

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**RIGHT FRONT AUX HEATER**
(Located in cab at front right)

![Connector Diagram](image)

**Connector 3550639C1**

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**RIGHT REAR AUX HEATER**
(Located in cab at front right)

![Connector Diagram](image)

**Connector 3550639C1**

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Figure 478 Connector Composites (10248A, 10249, 10250)
17.108. CONNECTOR COMPOSITES (10252, 10253, 10254, 10255), P. 99

Figure 479  Connector Composites (10252, 10253, 10254, 10255)
17.109. CONNECTOR COMPOSITES (10256, 10257, 10259), P. 100

 CHAPTER 17
 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

---

**HAZARD LIGHT (10256)**
(LOCATED IN ELECTRICAL PANEL)

![Diagram of Hazard Light](image)

**CAV CIRCUIT GA COLOR TERMINAL**

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CONNECTOR 3530563C1

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**MASTER DISCONNECT (10257)**
(LOCATED AT LEFT SIDE OF INSTRUMENT PANEL)

![Diagram of Master Disconnect](image)

**CAV CIRCUIT GA COLOR TERMINAL**

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CONNECTOR 3530563C1

* W/MASTER DISCONNECT SW W/NOISE SUPPRESSION

---

**RADIO (10259)**
(LOCATED IN INSTRUMENT PANEL)

![Diagram of Radio](image)

**CAV CIRCUIT GA COLOR TERMINAL**

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CONNECTOR 2206659C1

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Figure 480  Connector Composites (10256, 10257, 10259)
### Connector Composites (10264, 10267, 10268)

#### Noise Suppression

*(Located in Instrument Panel)*

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Connector 3530563C1

*master disconnect SW w/noise suppression
#
master disconnect VGN w/noise suppression

#### Destination Sign

*(Located in Electrical Panel)*

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Connector 3530563C1

#### Luggage Box Light

*(Located at Left Side Instrument Panel)*

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Connector 3530563C1

*W/individual luggage compartment LT
#
W/individual & pass thru luggage compt lights

---

Figure 481 Connector Composites (10264, 10267, 10268)
17.11. CONNECTOR COMPOSITES (10269, 10270A, 10270B), P. 102

**HEATED WIPER BLADE**

(LOCATED AT LEFT SIDE INSTRUMENT PANEL)

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

**STROBE LIGHT**

(LOCATED AT LEFT SIDE INSTRUMENT PANEL)

**STROBE LIGHT**

(LOCATED AT PANEL PLATE)

**Figure 482 Connector Composites (10269, 10270A, 10270B)**
17.112. CONNECTOR COMPOSITES (10275), P. 103

**Figure 483 Connector Composites (10275)**
17.113. CONNECTOR COMPOSITES (10276, 10277, 10278, 10280), P. 104

**Figure 484**  Connector Composites (10276, 10277, 10278, 10280)
17.114. CONNECTOR COMPOSITES (10281, 10282, 10284, 10285), P. 105

Figure 485  Connector Composites (10281, 10282, 10284, 10285)
17.115. CONNECTOR COMPOSITES (10286, 10290, 10291), P. 106

**Figure 486**  Connector Composites (10286, 10290, 10291)
**17.116. CONNECTOR COMPOSITES (10292, 10293A / 10293B, 10294), P. 107**

**Figure 487  Connector Composites (10292, 10293A / 10293B, 10294)**
17.117. CONNECTOR COMPOSITES (10295, 10297, 10299), P. 108

Figure 488  Connector Composites (10295, 10297, 10299)
Figure 489  Connector Composites (10301)
17.119. CONNECTOR COMPOSITES (10302), P. 110

Figure 490  Connector Composites (10302)
Figure 491  Connector Composites (10303)
17.121. CONNECTOR COMPOSITES (10304), P. 112

Figure 492 Connector Composites (10304)
17.122. CONNECTOR COMPOSITES (10305), P. 113

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSE BLOCK
(10305)
(located in instrument panel right side)

CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

*C W/ COMMON
# W/ DRIVERS ALARM - PIEZO, ACCESSORY FEED
% W/ BATTERY AND ACCESSORY FEED
& W/ LIFT INTERLOCK KEY ON
@ W/ LOCKING COMP OVER DRIVER WINDOW

Figure 493 Connector Composites (10305)
17.123. CONNECTOR COMPOSITES (10306), P. 114

Figure 494 Connector Composites (10306)
17.124. CONNECTOR COMPOSITES (10307), P. 115

Figure 495  Connector Composites (10307)
17.125. CONNECTOR COMPOSITES (10308), P. 116

Figure 496 Connector Composites (10308)
17.126. CONNECTOR COMPOSITES (10309), P. 117

Figure 497 Connector Composites (10309)
Figure 498  Connector Composites (10309) (Cont.)
17.128. CONNECTOR COMPOSITES (10310), P. 119

Figure 499 Connector Composites (10310)
17.129. CONNECTOR COMPOSITES (10311), P. 120

Figure 500  Connector Composites (10311)
Figure 501  Connector Composites (10312, 10314)
17.131. CONNECTOR COMPOSITES (10315, 10316, 10317, 10318), P. 122

Figure 502  Connector Composites (10315, 10316, 10317, 10318)
17.132. CONNECTOR COMPOSITES (10319, 10320, 10321, 10322), P. 123

Figure 503  Connector Composites (10319, 10320, 10321, 10322)
## 17.133. CONNECTOR COMPOSITES (10323, 10326), P. 124

**Figure 504 Connector Composites (10323, 10326)**

### ACC RELAY

**LOCATED IN FUSE BLOCK IN ELECTRICAL PANEL RIGHT SIDE**

**CONNECTOR 3534579C1**
**BODY LOCK 2230290C1**

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* W/PWR CABLE W/MASTER DISCONNECT
* W/COMMON
* W/NOISE SUPPRESSION CIRCUITS

### ACC SPLICE

**LOCATED IN INSTRUMENTAL PANEL RIGHT SIDE**

**CONNECTOR 2006708C1**
**BODY LOCK 2006708C1**

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* W/ ELEC DOOR TOGGLE SW

---

Note: The image includes a detailed electrical circuit diagram with labels and connections for the ACC relay and ACC splice, along with a table indicating connector details.
Figure 505  Connector Composites (10327, 10328)
**Chapter 17: Connector Composites (10329, 10330), P. 126**

**Figure 506 Connector Composites (10329, 10330)**

---

**Connector Body Composites Mating View Shown**

- **Switch Illumination (10329)**
  - Located in Instrumental Panel Right Side

- **Switch Illumination (10330)**
  - Located in Instrumental Panel Right Side

---

**Connector Body Composites (10329, 10330)**

- **Connector 3700745C1**
  - Body Lock 3700749C1

---

**Electrical Circuit Diagram**

**NAVISTAR, INC.**

**THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.**

**Sheet 17.135. Connector Composites (10329, 10330), P. 126**

**Release No.**

**Sheet**

**Sheet No.**

**Drawn By**

**Name**

**Date**

**Change**

**Rev.**

**CIRCUIT DIAGRAM, RE BUS - BODY**

**Figure 506 Connector Composites (10329, 10330)**

---

**Ref.**

**CHECK**

**RELEASE NO.**

**SHEET**

**DRAWN**

**DATE**

**CHANGE**

**REV.**
### Connector Composites (10331, 10332, 10333)

#### Switch Illumination (10331)
Located in Instrumental Panel Right Side

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Connector 3700745C1
Body Lock 3700749C1

#### Switch Illumination (10332)
Located in Instrumental Panel Right Side

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Connector 3700745C1
Body Lock 3700749C1

#### Switch Illumination (10333)
Located in Instrumental Panel Right Side

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Connector 3700745C1
Body Lock 3700749C1

* W/Fuel Fired Heater Timer

Figure 507 Connector Composites (10331, 10332, 10333)
# 17.137. CONNECTOR COMPOSITES (10334, 10335), P. 128

**Figure 508 Connector Composites (10334, 10335)**

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<th>ELECTRICAL CIRCUIT DIAGRAM</th>
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<td><strong>CHAPTER 17</strong></td>
<td><strong>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</strong></td>
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## GROUND SPLICE (10334)
**LOCATED AT LEFT SIDE OF INSTRUMENTAL PANEL**

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**CONNECTOR 20073:5C1**
**BODY LOCK 20073:8B1**

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## GROUND SPLICE (10335)
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**CONNECTOR 20073:5C1**
**BODY LOCK 20073:8B1**

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**Figure 508**

Connector Composites (10334, 10335)
17.138. CONNECTOR COMPOSITES (10336, 10337), P. 129

Figure 509  Connector Composites (10336, 10337)
WARNING LIGHT OPTIONS
(10340F)
(LOCATED IN ELECTRICAL PANEL)

CONNECTOR 1661260C1
BODY LOCK 1661264C1

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WARNING LIGHT OPTIONS
(10340M)
(LOCATED IN ELECTRICAL PANEL)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

ELEC COMPT LIGHT
(10341)
(LOCATED IN ELECTRICAL PANEL)

CONNECTOR 2206588C1

DOME LIGHT LAST BOW SECT
(10344A)
(LOCATED IN ELECTRICAL PANEL)

CONNECTOR 3530563C1

Figure 510 Connector Composites (10340F, 10340M, 10341, 10344A)
18.1. CONNECTOR COMPOSITES (10344B, 10345, 10346), P. 1

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DOME LIGHT LAST BOW SECT (10344B)
(LOCATED IN ELECTRICAL PANEL)

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CONNECTOR 3530563C1

* W/ ACT LT & DOME LT LAST BOW SECT L SW PNL
# W/ DOME LT LAST BOW SECT PWR L SW PNL
% W/ DOME LT LAST BOW SECT W/RHEO L SW PNL
& W/ DOME LT LAST BOW SECT N/RHEO L SW PNL

DOME LIGHT LAST BOW RHEOSTAT (10345)
(LOCATED IN ELECTRICAL PANEL)

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CONNECTOR 1669030C1

* W/ DOME LT LAST BOW SECT W/RHEO OVERHEAD
% W/ DOME LT LAST BOW SECT W/RHEO L SW PNL

WINCH CONTROL TIRE CARRIER (10346)
(LOCATED AT LEFT FRAME RAIL)

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CONNECTOR 2206666C1

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Figure 520  Connector Composites (10401) (Cont.)
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18.12. CONNECTOR COMPOSITES (10405) (CONT.), P. 10A

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Figure 527 Connector Composites (10413, 10414, 10416)
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**Figure 528 Connector Composites (10417, 10417A, 10418)**

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**Connector Body Composites Matting View Shown**

**Side Dir / Mkr Lt Fnd Rr Whl Pkt - Re (10417)**

- Located between 11th & 12th left window section

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**Side Dir / Mkr Lt Fnd Rr Whl Pkt - Ce (10417A)**

- Located near right body

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**Side Dir / Mkr Lt Fnd Rr Whl Pkt - Ce (10418)**

- Located near 8th left window section

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18.19. CONNECTOR COMPOSITES (10419, 10420), P. 17

Figure 529 Connector Composites (10419, 10420)
18.20. CONNECTOR COMPOSITES (10421), P. 18

**NAVISTAR, INC**

**ELECTRICAL CIRCUIT DIAGRAM MANUAl**

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**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

---

**splice fr kickout window**

*(located near left body / electrical panel interconnector)*

---

**Connector 3700745C1**

**Body Lock 3700749C1**

---

**SPICE FR KICKOUT WINDOW**

*(10421)*

---

**Figure 530 Connector Composites (10421)**
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Figure 531  Connector Composites (10422)
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**NAVISTAR, INC**

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**ELECTRICAL CIRCUIT DIAGRAM**

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**Figure 532 Connector Composites (10423)**
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**18.24. CONNECTOR COMPOSITES (10432, 10433, 10434, 10435, 10436, 10437), P. 22**

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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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BODY LOCK 1661263C1

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CONNECTOR 1661259C1
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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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Figure 534 Connector Composites (10432, 10433, 10434, 10435, 10436, 10437)
18.25. CONNECTOR COMPOSITES (10438, 10439, 10440, 10441, 10442, 10443), P. 23

KOUT WDO SECT 15  
(LOCATED NEAR RIGHT BODY)  
CONNECTOR 1661259C1  
BODY LOCK 1661263C1

EMER EXIT LT SECT 1  
(10439)  
CONNECTOR 1661259C1  
BODY LOCK 1661263C1

EMER EXIT LT SECT 2  
(10440)  
CONNECTOR 1661259C1  
BODY LOCK 1661263C1

EMER EXIT LT SECT 3  
(10441)  
CONNECTOR 1661259C1  
BODY LOCK 1661263C1

EMER EXIT LT SECT 4  
(10442)  
CONNECTOR 1661259C1  
BODY LOCK 1661263C1

EMER EXIT LT SECT 5  
(10443)  
CONNECTOR 1661259C1  
BODY LOCK 1661263C1

Figure 535  Connector Composites (10438, 10439, 10440, 10441, 10442, 10443)
18.26. CONNECTOR COMPOSITES (10444, 10445, 10446, 10447, 10448, 10449), P. 24

**Figure 536**  Connector Composites (10444, 10445, 10446, 10447, 10448, 10449)
18.27. CONNECTOR COMPOSITES (10450, 10451, 10452, 10453, 10454A, 10454B), P. 25

Figure 537  Connector Composites (10450, 10451, 10452, 10453, 10454A, 10454B)
18.28. CONNECTOR COMPOSITES (10454C, 10454D, 10454E, 10454F), P. 26

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CONNECTOR 1661899C1
BODY LOCK 1661890C1

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CONNECTOR 1661899C1
BODY LOCK 1661890C1

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CONNECTOR 1661899C1
BODY LOCK 1661890C1

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CONNECTOR 1661899C1
BODY LOCK 1661890C1
18.29. CONNECTOR COMPOSITES (10454G, 10454J, 10454K, 10455A, 10455B), P. 27

Figure 539  Connector Composites (10454G, 10454J, 10454K, 10455A, 10455B)
18.30. CONNECTOR COMPOSITES (10455C, 10455D, 10455E, 10455F, 10455G), P. 28

Figure 540  Connector Composites (10455C, 10455D, 10455E, 10455F, 10455G)
### Connectors Composites (10455H, 10455J, 10455K, 10456A, 10456B)

**SED ALARM SECT 8&9 (10455H)**
(LOCATED BETWEEN 8TH & 9TH LEFT WDO SECT)
- **Connector**: 1661259C1
- **Body Lock**: 1661263C1

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**SED ALARM 9&10 (10455J)**
(LOCATED BETWEEN 9TH & 10TH LEFT WDO SECT)
- **Connector**: 1661259C1
- **Body Lock**: 1661263C1

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**SED ALARM 10&11 (10455K)**
(LOCATED BETWEEN 10TH & 11TH LEFT WDO SECT)
- **Connector**: 1661259C1
- **Body Lock**: 1661263C1

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**SED LIGHT (10456A)**
(LOCATED BETWEEN 1ST & 2ND LEFT WDO SECT)
- **Connector**: 1661259C1
- **Body Lock**: 1661263C1

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**SED LIGHT (10456B)**
(LOCATED BETWEEN 2ND & 3RD WDO SECT)
- **Connector**: 1661259C1
- **Body Lock**: 1661263C1

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**Figure 541**  Connector Composites (10455H, 10455J, 10455K, 10456A, 10456B)
18.32. CONNECTOR COMPOSITES (10456C, 10456D, 10456E, 10456F, 10456G), P. 30

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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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CONNECTOR 1661259C1
BODY LOCK 1661263C1

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**Figure 542** Connector Composites (10456C, 10456D, 10456E, 10456F, 10456G)
18.33. CONNECTOR COMPOSITES (10456H, 10456J, 10456K, 10457), P. 31

Figure 543  Connector Composites (10456H, 10456J, 10456K, 10457)
18.34. CONNECTOR COMPOSITES (10457A / 10457B, 10458, 10459), P. 32

Figure 544 Connector Composites (10457A / 10457B, 10458, 10459)
18.35. CONNECTOR COMPOSITES (10460, 10461, 10462), P. 33

Figure 545  Connector Composites (10460, 10461, 10462)
18.36. CONNECTOR COMPOSITES (10463, 10463A, 10464), P. 34

**Figure 546** Connector Composites (10463, 10463A, 10464)
### Connector Composites (10465, 10466, 10467)

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**Connector Body Composites Mating View Shown**

**Figure 547 Connector Composites (10465, 10466, 10467)**
18.38. CONNECTOR COMPOSITES (10468, 10468A, 10469), P. 36

Figure 548  Connector Composites (10468, 10468A, 10469)
18.39. CONNECTOR COMPOSITES (10470, 10471), P. 37

Figure 549  Connector Composites (10470, 10471)
18.40. CONNECTOR COMPOSITES (10472), P. 38

Figure 550  Connector Composites (10472)
18.41. CONNECTOR COMPOSITES (10473, 10474A / 10474B, 10474C, 10474D / 10474E / 10474F / 10474G / 10474H / 10474J / 10474K / 10474L / 10474M / 10474N), P. 39

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CONNECTOR BODY COMPOSITES MATEING VIEW SHOWN

SPlice PACK OTHER GNDs
(10473)
(LOCATED AFTER 2ND L WDO Sect)

CONNECTOR 3543729C1
BODY LOCK 3543731C1

STROKE LIGHT
(10474A/10474B)
(LOCATED NEAR 1ST WDO Sect)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

STROKE LIGHT
(10474C)
(LOCATED NEAR 1ST WDO Sect)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

STROKE LIGHT
(10474D/10474E/10474F/10474G/10474H/10474J/10474K/10474L/10474M/10474N)
(LOCATED NEAR 1ST WDO Sect)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

Figure 551 Connector Composites (10473, 10474A / 10474B, 10474C, 10474D / 10474E / 10474F / 10474G / 10474H / 10474J / 10474K / 10474L / 10474M / 10474N)
18.42. CONNECTOR COMPOSITES (10474P, 10474R, 10475 / 10476, 10479), P. 40

**Figure 552 Connector Composites (10474P, 10474R, 10475 / 10476, 10479)**
18.43. CONNECTOR COMPOSITES (10482, 10483, 10483A), P. 41

Figure 553  Connector Composites (10482, 10483, 10483A)
DOME LIGHT SECT 3
(10484)
(LOCATED NEAR 3RD LH WINDOW SECT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT ABOVE EACH SEAT
(10484A)
(LOCATED ABOVE EACH SEAT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT SECT 5
(10485)
(LOCATED NEAR 5TH LH WINDOW SECT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT ABOVE EACH SEAT
(10485A)
(LOCATED ABOVE EACH SEAT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

Figure 554  Connector Composites (10484, 10484A, 10485, 10485A)
**18.45. CONNECTOR COMPOSITES (10486, 10486A, 10487), P. 43**

**NAVISTAR, INC**

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 18**

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

**DOME LIGHT SECT 7**

(LOCATED NEAR 7TH LH WINDOW SECT)

**CAV CIRCUIT** | **GA** | **COLOR** | **TERMINAL**
---|---|---|---
A* | E63AA | 16 | DKBL 1661261C1
A4 | E63AC | 16 | DKBL 1661261C1
A5 | E63AF | 16 | DKBL 1661261C1
B | E63-GT | 16 | WH 1661261C1

CONNECTOR 1661259C1
BODY LOCK 1661263C1

* W/DOME LIGHT DOUBLE
# W/DOME LIGHT DOUBLE SWITCHED FRONT AND REAR W/REAR ROW
% W/DOME LIGHT DOUBLE SWITCHED FRONT AND REAR

**DOME LIGHT ABOVE EACH SEAT**

(10486A)

(LOCATED ABOVE EACH SEAT)

**CAV CIRCUIT** | **GA** | **COLOR** | **TERMINAL**
---|---|---|---
A | E63F | 16 | DKBL 1661261C1
B | E63F-Q | 16 | WH 1661261C1

CONNECTOR 1661259C1
BODY LOCK 1661263C1

**DOME LIGHT SECT 9**

(10487)

(LOCATED NEAR 9TH LH WINDOW SECT)

**CAV CIRCUIT** | **GA** | **COLOR** | **TERMINAL**
---|---|---|---
A* | E63E | 16 | DKBL 1661261C1
A4 | E63H | 16 | DKBL 1661261C1
A5 | E63AF | 16 | DKBL 1661261C1
A8 | E63AV | 16 | DKBL 1661261C1
A% | E63AH | 16 | DKBL 1661261C1
B* | E63-GD | 16 | WH 1661261C1
B% | E63-GG | 16 | WH 1661261C1
B## | E63-GL | 16 | WH 1661261C1

CONNECTOR 1661259C1
BODY LOCK 1661263C1

* W/DOME LIGHT STD STAGGER
# W/DOME LIGHT STD STAGGER SWITCHED FRONT AND REAR
% W/DOME LIGHT DOUBLE
& W/DOME LIGHT DOUBLE SWITCHED FRONT AND REAR W/REAR ROW
** W/DOME LIGHT DOUBLE SWITCHED FRONT AND REAR W/DOME LIGHT STD STAGGER SWITCHED FRONT AND REAR AND W/REAR ROW
## W/DOME LIGHT STD STAGGER SWITCHED FRONT AND REAR AND W/REAR ROW

Figure 555  Connector Composites (10486, 10486A, 10487)
### 18.46. CONNECTOR COMPOSITES (10487A, 10488, 10489), P. 44

#### NAVISTAR, INC

**CHAPTER 18**

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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**DOME LIGHT ABOVE EACH SEAT** *(10487A)*  
(LOCATED ABOVE EACH SEAT)

Figure 556 Connector Composites (10487A, 10488, 10489)

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**DOME LIGHT SECT 11** *(10488)*  
(LOCATED NEAR 11TH LH WINDOW SECT)

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**DOME LIGHT SECT 13** *(10489)*  
(LOCATED NEAR 13TH LH WINDOW SECT)

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DOME LIGHT ABOVE EACH SEAT
(10489A)
(LOCATED ABOVE EACH SEAT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT SECT 15
(10490)
(LOCATED NEAR 15TH LH WINDOW SECT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

ACTIVITY LIGHT SECT 15
(10491A)
(LOCATED NEAR 15TH LH WINDOW SECT)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

ACTIVITY DOME LIGHT
(10491B)
(LOCATED AT RIGHT SIDE OF WINDOW SECTION)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

Figure 557 Connector Composites (10489A, 10490, 10491A, 10491B)
18.48. CONNECTOR COMPOSITES (10492, 10513), P. 46

**GUARD DOME LIGHT**
(LOCATED NEAR 1ST LH WINDOW SECT)

CONNECTOR 1661299C1
BODY LOCK 1661263C1

**PTI - STOP REAR SWITCH**
(10513)
(LOCATED AT LEFT BODY-LAST WINDOW SECTION)

CONNECTOR 1661891C1
BODY LOCK 1661892C1

`*` W/REAR CAP-POST TRIP INSPECTION STOP
DEACTIVATION SW IN LIGHTBAR
`#` W/REAR CAP, PTI PULSE SW IN LT BAR

**FIRE SUPPRESSION JOMARR**
(10513)
(LOCATED AT FRONT CAP)

CONNECTOR 2206664C1

**Figure 558 Connector Composites (10492, 10513)**
18.49. CONNECTOR COMPOSITES (10513, 10514, 10515), P. 47

**Figure 559** Connector Composites (10513, 10514, 10515)
18.50. CONNECTOR COMPOSITES (10516, 10517, 10518), P. 48

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CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

Figure 560 Connector Composites (10516, 10517, 10518)
18.51. CONNECTOR COMPOSITES (10519, 10520A, 10521A, 10522A), P. 49

Figure 561  Connector Composites (10519, 10520A, 10521A, 10522A)
18.52. CONNECTOR COMPOSITES (10523A, 10524A, 10555A, 10555B, 10555E), P. 50

Figure 562  Connector Composites (10523A, 10524A, 10555A, 10555B, 10555E)
18.53. CONNECTOR COMPOSITES (10555F, 10556C, 10556D, 10558A), P. 50A

**Navistar, Inc.**

**Electrical Circuit Diagram**

**Chapter 18**

**Connector Body Composites Mating View Shown**

**Electrical Panel - Side Camera**

Located above each seat

**Connector 4121245C91**

**Electrical Panel - Rear Camera**

Located at left body, 13 window sect

**Connector 4121246C91**

**To Mirror Display**

Located at left body, 13 window sect

**Connector 4121236C91**

**Figure 563 Connector Composites (10555F, 10556C, 10556D, 10558A)**
18.54. CONNECTOR COMPOSITES (10558B, 10558C, 10558D), P. 50B

Figure 564 Connector Composites (10558B, 10558C, 10558D)
18.55. CONNECTOR COMPOSITES (10700), P. 51

Figure 565  Connector Composites (10700)
Figure 566  Connector Composites (10700) (Cont.)
Figure 567  Connector Composites (10700) (Cont.)
Chapter 18

Connector Composites (10700) (Cont.)

Figure 568 Connector Composites (10700) (Cont.)
**Figure 569 Connector Composites (10701)**
18.60. CONNECTOR COMPOSITES (10702, 10703), P. 56

**NAVISTAR, INC**

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 18**

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

---

**GROUND SPLICE PACK**

_(LOCATED AT REAR END OF R BODY HARNESS)_

<table>
<thead>
<tr>
<th>CONNECTOR 2007315C1</th>
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<tbody>
<tr>
<td>BODY LOCK 2007316C1</td>
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</table>

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- **A** W/3IN RED LIGHT OVER SED SECT 3-6
- **B** W/3IN RED LIGHT OVER SED SECT 4-6
- **C** W/3IN RED LIGHT OVER SED SECT 5-6
- **F** W/3IN RED LIGHT OVER SED SECT 7-6
- **G** W/3IN RED LIGHT OVER SED SECT 8-9
- **H** W/3IN RED LIGHT OVER SED SECT 9-10
- **I** W/3IN RED LIGHT OVER SED SECT 10-11
- **II** W/3IN RED LIGHT OVER SED SECT 11-12
- **J** W/WHITE SED W/O SED SECT 3-4
- **K** W/WHITE SED W/O SED SECT 5-6
- **L** W/WHITE SED W/O SED SECT 7-8
- **M** W/WHITE SED W/O SED SECT 9-10
- **N** W/WHITE SED W/O SED SECT 11-12

---

**SPARE WIRE**

_(LOCATED AT FRONT END OF R BODY HARNESS)_

| CONNECTOR 2208668C1 |

---

<table>
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**Figure 570 Connector Composites (10702, 10703)**
Figure 571 Connector Composites (10704)
18.62. CONNECTOR COMPOSITES (10705, 10706, 10706A), P. 58

**Figure 572 Connector Composites (10705, 10706, 10706A)**
18.63. CONNECTOR COMPOSITES (10706B, 10707 / 10707A, 10707B, 10708), P. 59

**Figure 573**  Connector Composites (10706B, 10707 / 10707A, 10707B, 10708)
18.64. CONNECTOR COMPOSITES (10708A, 10708B, 10709, 10709B, 10710), P. 60

Figure 574 Connector Composites (10708A, 10708B, 10709, 10709B, 10710)
18.65. CONNECTOR COMPOSITES (10710A, 10711, 10712), P. 61

INTERMEDIATE MARKER LIGHT MIDSHIP CE/FE (10710A) (LOCATED AT RIGHT HAND SIDE ABOVE 8TH WDO)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

SIDE DIR LIGHT AFT ENTRY DOOR (10711) (LOCATED AT RIGHT HAND SIDE AFTER ENTERANCE DOOR)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

SIDE CMB LIGHT AFT ENTRY DOOR (10712) (LOCATED AT RIGHT HAND SIDE AFTER ENTERANCE DOOR)

CONNECTOR 1661890C1
BODY LOCK 1661890C1

Figure 575  Connector Composites (10710A, 10711, 10712)
Figure 576  Connector Composites (10713)
Figure 577 Connector Composites (10714)
**18.68. CONNECTOR COMPOSITES (10715, 10716, 10717, 10718), P. 64**

**Figure 578  Connector Composites (10715, 10716, 10717, 10718)**
18.69. CONNECTOR COMPOSITES (10719, 10720, 10721, 10722), P. 65

Figure 579  Connector Composites (10719, 10720, 10721, 10722)
18.70. CONNECTOR COMPOSITES (10723, 10724, 10725, 10726), P. 66

**Figure 580** Connector Composites (10723, 10724, 10725, 10726)
## 18.71. CONNECTOR COMPOSITES (10727, 10728, 10729, 10730, 10731), P. 67

**Figure 581** Connector Composites (10727, 10728, 10729, 10730, 10731)
18.72. CONNECTOR COMPOSITES (10732, 10733, 10734, 10735), P. 68

EMER EXIT LIGHT (10732) (LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 3)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

EMER EXIT LIGHT (10733) (LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 4)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

EMER EXIT LIGHT (10734) (LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 5)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

EMER EXIT LIGHT (10735) (LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 6)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

Figure 582  Connector Composites (10732, 10733, 10734, 10735)
18.73. CONNECTOR COMPOSITES (10736, 10737, 10738, 10739), P. 69

**EMER EXIT LIGHT (10736)**
(LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 7)

![Connector Diagram](image)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

**EMER EXIT LIGHT (10737)**
(LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 8)

![Connector Diagram](image)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

**EMER EXIT LIGHT (10738)**
(LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 9)

![Connector Diagram](image)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

**EMER EXIT LIGHT (10739)**
(LOCATED AT RIGHT HAND SIDE ABOVE WINDOW 10)

![Connector Diagram](image)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

**Figure 583** Connector Composites (10736, 10737, 10738, 10739)
18.74. CONNECTOR COMPOSITES (10740, 10741, 10742, 10743, 10744), P. 70

**Figure 584** Connector Composites (10740, 10741, 10742, 10743, 10744)
18.75. CONNECTOR COMPOSITES (10751, 10751A, 10757, 10757A, 10758), P. 71

Figure 585  Connector Composites (10751, 10751A, 10757, 10757A, 10758)
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**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

**Navistar, Inc.**

**Electrical Circuit Diagram**

18.76. CONNECTOR COMPOSITES (10758A, 10759, 10759A, 10760), P. 72

---

**DOME LIGHT OVER EACH SEAT**

(10759A)

(LOCATED ABOVE EACH SEAT)

**CONNECTOR 1661259C1**

**BODY LOCK 1661263C1**

---

**DOME LIGHT SECT 5**

(10759)

(LOCATED AT RIGHT SIDE OF 5TH WINDOW SECTION)

**CONNECTOR 1661259C1**

**BODY LOCK 1661263C1**

---

**DOME LIGHT OVER EACH SEAT**

(10759A)

(LOCATED ABOVE EACH SEAT)

**CONNECTOR 1661259C1**

**BODY LOCK 1661263C1**

---

**DOME LIGHT SECT 7**

(10760)

(LOCATED AT RIGHT SIDE OF 7TH WINDOW SECTION)

**CONNECTOR 1661259C1**

**BODY LOCK 1661263C1**

* W/DOME LIGHT STD STAGGER

# W/DOME LIGHT STD STAGGER SWITCH

FRONT AND REAR AND W/RR ROW

---

**Figure 586 Connector Composites (10758A, 10759, 10759A, 10760)**
18.77. CONNECTOR COMPOSITES (10760A, 10761, 10761A, 10762), P. 73

**Figure 587**  Connector Composites (10760A, 10761, 10761A, 10762)
18.78. CONNECTOR COMPOSITES (10763, 10763A, 10764, 10765A, 10766), P. 74

Figure 588  Connector Composites (10763, 10763A, 10764, 10765A, 10766)
18.79. CONNECTOR COMPOSITES (10767, 10768, 10769), P. 75

**NAVISTAR, INC**

**ACCESS SPICE CONNECTOR** (10767)

**CONNECTOR 3543729C1**
**BODY LOCK 3543731C1**

**CAV CIRCUIT 5A COLOR TERMINAL**
A F12A 18 LTBL 354330C1
B F12A 18 LTBL 354330C1
B** F12A 18 LTBL 354330C1
C GR12C 18 LTBL 354330C1
D-P PLUG - - 3543425C1

**EP1 PLUS LVL (10767)**

**CONNECTOR 4086451C1**

**CAV CIRCUIT 5A COLOR TERMINAL**
1 012 18 BT BL 375166C1
2+ B12AE 18 BT ON 375166C1
2X B12AE 18 BT ON 375166C1
2X B17 18 GR 375166C1

**GUARD DOME LIGHT 5** (10769)

**CONNECTOR 1681269C1**
**BODY LOCK 1681263C1**

**CAV CIRCUIT 5A COLOR TERMINAL**
A F002E 16 CK BL 1681261C1
B F03-8A 16 WH 1681261C1

**AIR DOOR CYLINDER** (10769)

**CONNECTOR 2209660C1**

**CAV CIRCUIT 5A COLOR TERMINAL**
1 F120A 18 LT ON 1681596C1
2 F120A 18 LT ON 1681596C1
3 F120-6 18 WH 1681596C1

---

**Figure 589** Connector Composites (10767, 10768, 10769)
18.80. CONNECTOR COMPOSITES (*10769, 10769C, 10769D), P. 75A

**Figure 590** Connector Composites (*10769, 10769C, 10769D)
18.81. CONNECTOR COMPOSITES (10769E, 10769F, 10769H), P. 76

**Figure 591 Connector Composites (10769E, 10769F, 10769H)**
18.82. CONNECTOR COMPOSITES (10769J, 10770, 10770C, 10770D, 10770E), P. 77

Figure 592 Connector Composites (10769J, 10770, 10770C, 10770D, 10770E)
18.83. CONNECTOR COMPOSITES (10770F, 10770H, 10770J), P. 78

**Figure 593** Connector Composites (10770F, 10770H, 10770J)
18.84. CONNECTOR COMPOSITES (10771, 10771A, 10771B, 10771C), P. 79

Figure 594 Connector Composites (10771, 10771A, 10771B, 10771C)
18.85. CONNECTOR COMPOSITES (10771D, 10771E, 10771F, 10771G, 10771H, 10771J, 10771K, 10771L), P. 80

Figure 595  Connector Composites (10771D, 10771E, 10771F, 10771G, 10771H, 10771J, 10771K, 10771L)
18.86. CONNECTOR COMPOSITES (10772A, 10772B, 10772C), P. 81

Figure 596  Connector Composites (10772A, 10772B, 10772C)
18.87. CONNECTOR COMPOSITES (10772D, 10772E, 10772F, 10772G), P. 82

Figure 597  Connector Composites (10772D, 10772E, 10772F, 10772G)
18.88. CONNECTOR COMPOSITES (10772H, 10772J, 10772K, 10772L), P. 83

Figure 598 Connector Composites (10772H, 10772J, 10772K, 10772L)
18.89. CONNECTOR COMPOSITES (10773A, 10773B), P. 84

Figure 599  Connector Composites (10773A, 10773B)
Figure 600  Connector Composites (10773C, 10773D, 10773E, 10773F)
18.91. CONNECTOR COMPOSITES (10773G, 10773H, 10773J), P. 86

Figure 601  Connector Composites (10773G, 10773H, 10773J)
18.92. CONNECTOR COMPOSITES (10773K, 10773L), P. 87

Figure 602  Connector Composites (10773K, 10773L)
18.93. CONNECTOR COMPOSITES (10774, 10774A), P. 88

**Figure 603  Connector Composites (10774, 10774A)**
### Connector Composites (10774B, 10774C, 10774D, 10774E)

#### CHAPTER 18

**LIFT DOOR SECT 2-3**

(10774B)

(LOCATED AT RIGHT SIDE OF WDO SECTION 2-3)

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<th>TERMINAL</th>
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<td>C</td>
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**CONNECTOR 3515762C1**

**BODY LOCK 3515764C1**

#### LIFT DOOR

(10774C)

(LOCATED AT RIGHT SIDE OF WDO SECTION 4-5)

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**CONNECTOR 3515762C1**

**BODY LOCK 3515764C1**

#### LIFT DOOR

(10774D)

(LOCATED AT RIGHT SIDE OF WDO SECTION 5-6)

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**CONNECTOR 3515762C1**

**BODY LOCK 3515764C1**

#### LIFT DOOR

(10774E)

(LOCATED AT RIGHT SIDE OF WDO SECTION 6-7)

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**CONNECTOR 3515762C1**

**BODY LOCK 3515764C1**

* W/LIFT LT ACTIVATED BY LIFT DOOR AND CL LIGHTS

# W/LIFT LT ACTIVATED BY TOGGLE SW SECT 5-6

---

**Figure 604**  Connector Composites (10774B, 10774C, 10774D, 10774E)
Figure 605 Connector Composites (10774F, 10774G, 10774H, 10774J)
18.96. CONNECTOR COMPOSITES (10774K, 10774L, 10774N, 10774P), P. 91

Figure 606  Connector Composites (10774K, 10774L, 10774N, 10774P)
18.97. CONNECTOR COMPOSITES (10778 / 10778C / 10778D / 10778E, 10778F, 10778H / 10778J), P. 92

Figure 607  Connector Composites (10778 / 10778C / 10778D / 10778E, 10778F, 10778H / 10778J)
Chapter 18

Connector Body Composites Mating View Shown

Figure 608 Connector Composites (10780, 10781)
18.99. CONNECTOR COMPOSITES (10781A, 10784, 10785, 10786A), P. 94

**SKIRT LIFT DOOR LIGHT**
 Located near right lift door

**LIFT DOOR BUZZER**
 Located at L side of lift door

**CEILING MTD CLOTH LIGHT**
 Located at upper side of lift door

**INPUT FROM STD CLOTH HEADER**
 Located at lift door header

---

Figure 609  Connector Composites (10781A, 10784, 10785, 10786A)
18.100. CONNECTOR COMPOSITES (10786B, 10787, 10788A, 10788B), P. 95

Figure 610  Connector Composites (10786B, 10787, 10788A, 10788B)
18.101. CONNECTOR COMPOSITES (10789, 10795, 10796A, 10796B), P. 96

**Figure 611  Connector Composites (10789, 10795, 10796A, 10796B)**
18.102. CONNECTOR COMPOSITES (10807A / 10807B / 10807C, 10831, 10832, *10832, 10833, *10833), P. 97

Figure 612  Connector Composites (10807A / 10807B / 10807C, 10831, 10832, *10832, 10833, *10833)
### Connector Composites (10833A, 10837, 10838, 10840)

**MID LIFT DOOR LIGHT**  
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILINGS)

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**Connector 220B65B8C1**

**SIDE MARKER LIGHT AFT ENTRY DOOR**  
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

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**Connector 168126B8C1**  
**Body Lock 168126C1**

- W/ SIDE MARKER LT AFTER ENTRY DOOR & REAR WHL
- W/ SIDE MARKER LT AFTER ENTRY DOOR & AFT REAR WHL PKT

**SIDE MARKER AFT REAR WHL PKT**  
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

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**Connector 168126B8C1**  
**Body Lock 168126C1**

- W/ SIDE MARKER LT AFTER REAR WHEEL PKT
- W/ SIDE MARKER LT AFT REAR WHL PKT

**DIRECTIONAL PASSTHROUGH**  
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

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**Connector 168126B8C1**  
**Body Lock 168126C1**

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Figure 613  Connector Composites (10833A, 10837, 10838, 10840)
18.104. CONNECTOR COMPOSITES (10841, 10845, 10848A), P. 98A

**Figure 614 Connector Composites (10841, 10845, 10848A)**
18.105. CONNECTOR COMPOSITES (10849A, 10850A, 10851A, 10852A), P. 99

DOME LIGHT OVER EACH SEAT (10849A)
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT OVER EACH SEAT (10850A)
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT OVER EACH SEAT (10851A)
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

DOME LIGHT OVER EACH SEAT (10852A)
(LOCATED AT EXT MTD ACROSS FROM DOOR HANDLE ON POST AND INTERIOR ON CEILING)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

Figure 615  Connector Composites (11000)
CHAPTER 18
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

Figure 616  Connector Composites (11000)
Figure 617  Connector Composites (11000) (Cont.)
18.108. CONNECTOR COMPOSITES (11001, 11003, 11003A, 11004L), P. 102

Figure 618  Connector Composites (11001, 11003, 11003A, 11004L)
RIGHT HEATED CROSSVIEW MIRROR (11004R)
(LOCATED AT RIGHT CROSSVIEW MIRROR)

CONNECTOR 2206588C1

LEFT COWL-MTD DIR/PARK LIGHT (11005L)
(LOCATED NEAR ELECTRIC PANEL)

CONNECTOR 3522187C1

R COWL-MTD DIR/PARK LIGHT (11005R)
(LOCATED NEAR LEFT WIPER)

CONNECTOR 3522187C1

LEFT COWL-MTD DIR LIGHT (11006L)
(LOCATED AT LEFT CROSSVIEW MIRROR)

CONNECTOR 2206588C1

CAV CIRCUIT GA COLOR TERMINAL SEAL/SLV
1 Y75R 16 YLGN 3522190C1 3522194C1
2 Y75-GB 16 WH 3522190C1 3522194C1

CAV CIRCUIT GA COLOR TERMINAL SEAL/SLV
1 Y54F 16 YL 3522190C1 3522194C1
2 Y54J 16 BN 3522190C1 3522194C1
3 Y56-GB 16 WH 3522190C1 3522194C1

CAV CIRCUIT GA COLOR TERMINAL SEAL/SLV
1 Y57F 16 LTGN 3522190C1 3522194C1
2 Y57K 16 BN 3522190C1 3522194C1
3 Y57-GB 16 WH 3522190C1 3522194C1

Figure 619 Connector Composites (11004R, 11005L, 11005R, 11006L)
18.110. CONNECTOR COMPOSITES (11006R, 11009L, 11009R, 11010L), P. 104

Figure 620  Connector Composites (11006R, 11009L, 11009R, 11010L)
Figure 621 Connector Composites (11010R, 11011L, 11011R)
18.112. CONNECTOR COMPOSITES (11012, 11016, 11017, 11018), P. 106

Figure 622  Connector Composites (11012, 11016, 11017, 11018)
18.113. CONNECTOR COMPOSITES (11019, 11020, 11021, 11022), P. 107

**Figure 623 Connector Composites (11019, 11020, 11021, 11022)**

---

**SKIRT LIGHT**
(LOCATED AT SKIRT LIGHT)

CONNECTOR 2206558BC:

**FORWARD STEP LIGHT**
(LOCATED AT FORWARD STEP LIGHT)

CONNECTOR 2206558BC:

**FIRST STEP HEATER**
(LOCATED AT FIRST STEP)

CONNECTOR 22066023C1
BODY LOCK 22066023C1

**SECOND STEP HEATER**
(LOCATED AT SECOND STEP)

CONNECTOR 22066023C1
BODY LOCK 22066023C1

---

**ELECTRICAL CIRCUIT DIAGRAM CHAPTER 18**

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

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**Figure 623**

**Connector Composites (11019, 11020, 11021, 11022)**
18.114. CONNECTOR COMPOSITES (11023, 11024, 11025, 11025A), P. 108

**NAVISTAR, INC**

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 18**

**NAVISTAR, INC**

**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 18**

**CONNECTOR BODY COMPOSITES MATING VIEW SHOWN**

---

**LIFT INTERLOCK (11023)**

(LOCATED NEAR LUGGAGE BOX)

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CONNECTOR 2206588C1

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**LUGGAGE BOX LIGHT (11024)**

(LOCATED AT LUGGAGE BOX LIGHT)

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CONNECTOR 2206588C1

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**FRONT END HARNESS CONNECTION (11024)**

(LOCATED AT LUGGAGE BOX LIGHT)

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CONNECTOR 2206587C1

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**TRACTION SANDER (11025)**

(LOCATED BELOW LUGGAGE BOX)

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CONNECTOR 2206589C1

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**CONNECTOR BODY (11025A)**

(LOCATED AT FIRST STEP)

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CONNECTOR 2206603C1

**BODY LOCK 2206602C1**

---

**Figure 624** Connector Composites (11023, 11024, 11025, 11025A)
18.115. CONNECTOR COMPOSITES (11025A, 11025B, 11025C), P. 109

**Figure 625** Connector Composites (11025A, 11025B, 11025C)
18.116. CONNECTOR COMPOSITES (11025D, 11026, *11026, 11027, *11027, 11028), P. 110

**Figure 626 Connector Composites (11025D, 11026, *11026, 11027, *11027, 11028)**
18.117. CONNECTOR COMPOSITES (11029, 11033, 11037), P. 111

STEP LT GND SPLICE BLOCK (11029) (LOCATED NEAR RIGHT HEADLIGHT)

CONNECTOR 3543729C1
BODY LOCK 3543731C1

OPTION GROUND SPLICE BLOCK (11033) (LOCATED NEAR FR END GND STUD)

CONNECTOR 3543733C1
BODY LOCK 3543732C1

LEFT MARKER LIGHT IN SKIRT (11037) (LOCATED IN LEFT SIDE OF BODY)

CONNECTOR 2206593C1

Figure 627  Connector Composites (11029, 11033, 11037)
18.118. CONNECTOR COMPOSITES (11038, 11044, 11045, 11100), P. 112

**Figure 628** Connector Composites (11038, 11044, 11045, 11100)
18.119. CONNECTOR COMPOSITES (11101, 11102, 11200, 11201, 11202, 11203, 11204), P. 113

**Figure 629** Connector Composites (11101, 11102, 11200, 11201, 11202, 11203, 11204)
18.120. CONNECTOR COMPOSITES (11205, 11206, 11207, 11234, 11337, 11632), P. 114

**Figure 630** Connector Composites (11205, 11206, 11207, 11234, 11337, 11632)
18.121. CONNECTOR COMPOSITES (11633, 11643, 11644, 11647, 11648), P. 115

**Figure 631 Connector Composites (11633, 11643, 11644, 11647, 11648)**