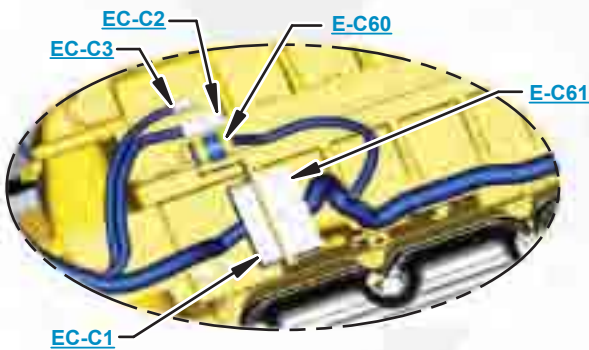


***This document is best viewed at a screen resolution of 1024 X 768.***

To set your screen resolution do the following:  
**RIGHT CLICK** on the **DESKTOP**.  
Select **PROPERTIES**.  
**CLICK** the **SETTINGS TAB**.  
**MOVE THE SLIDER** under **SCREEN RESOLUTION** until it shows **1024 X 768**.  
**CLICK OK** to apply the resolution.

The Bookmarks panel will allow you to quickly navigate to points of interest.



Click on any text that is BLUE and underlined. These are hyperlinks that can be used to navigate the schematic and machine views.

**VIEW ALL CALLOUTS**

When only one callout is showing on a machine view this button will make all of the callouts visible. This button is located in the top right corner of every machine view page.

HOTKEYS (Keyboard Shortcuts)		
	FUNCTION	KEYS
	Zoom In	"CTRL" / "+"
	Zoom Out	"CTRL" / "-"
	Fit to Page	"CTRL" / "0" (zero)
	Hand Tool	"SPACEBAR" (hold down)
	Find	"CTRL" / "F"



# Schematic

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## **950K and 962K Wheel Loader Electrical System**

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**950K:**  
**R4A1-1999**  
**J5M1-999**  
**FER1-499**

**962K:**  
**T6A1-999**  
**FLL1-399**  
**X4T1-482**

**Volume 1 of 2: Chassis and Engine Wiring**  
**Volume 2 of 2: Cab Wiring**

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# COMPONENT LOCATION

## Volume 1 of 2 - CHASSIS AND ENGINE WIRING



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Actuator - Air Flow Control	<a href="#">I-16</a>	<a href="#">1</a>	Sensor - Implement Pump Discharge Pressure	<a href="#">H-1</a>	<a href="#">60</a>
Alarm - Backup	<a href="#">G-13</a>	<a href="#">2</a>	Sensor - Input Speed	<a href="#">I-11</a>	<a href="#">61</a>
Alternator	<a href="#">B-10</a>	<a href="#">3</a>	Sensor - Intake Air Manifold Pressure	<a href="#">D-13</a>	<a href="#">62</a>
Battery - 1	<a href="#">E-11</a>	<a href="#">4</a>	Sensor - Intake Air Manifold Temperature	<a href="#">D-13</a>	<a href="#">63</a>
Battery - 2	<a href="#">E-10</a>	<a href="#">5</a>	Sensor - Lift Cylinder Head End Pressure	<a href="#">H-5</a>	<a href="#">64</a>
Breaker - Engine Control	<a href="#">B-9</a>	<a href="#">6</a>	Sensor - Lift Cylinder Rod End Pressure	<a href="#">E-2</a>	<a href="#">65</a>
Breaker - Glow Plug	<a href="#">B-9</a>	<a href="#">7</a>	Sensor - NRS Differential Pressure	<a href="#">E-13</a>	<a href="#">66</a>
Breaker - Main	<a href="#">B-9</a>	<a href="#">8</a>	Sensor - NRS Intake Pressure	<a href="#">E-13</a>	<a href="#">67</a>
Camera - Rear View	<a href="#">F-13</a>	<a href="#">9</a>	Sensor - NRS Temperature	<a href="#">F-13</a>	<a href="#">68</a>
Coil - ARD Ignition Transfer Primary	<a href="#">G-15</a>	<a href="#">10</a>	Sensor - Output Speed 1	<a href="#">I-11</a>	<a href="#">69</a>
Control - Engine	<a href="#">D-16</a>	<a href="#">11</a>	Sensor - Output Speed 2	<a href="#">I-11</a>	<a href="#">70</a>
Control - Hood Raise/Lower	<a href="#">I-13</a>	<a href="#">12</a>	Sensor - Park Brake Pressure Sensor	<a href="#">D-3</a>	<a href="#">71</a>
Diode - Alternator Blocking	<a href="#">B-13</a>	<a href="#">180</a>	Sensor - Rotary Lift Position	<a href="#">F-4</a>	<a href="#">72</a>
Ground - Alternator	<a href="#">B-10</a>	<a href="#">13</a>	Sensor - Rotary Tilt Position	<a href="#">I-4</a>	<a href="#">73</a>
Ground - CEM	<a href="#">G-15</a>	<a href="#">14</a>	Sensor - Steering Pump Oil Pressure	<a href="#">D-9</a>	<a href="#">74</a>
Ground - Disconnect Switch	<a href="#">E-10</a>	<a href="#">15</a>	Sensor - Torque Converter Temperature	<a href="#">A-13</a>	<a href="#">75</a>
Ground - Main Chassis	<a href="#">G-7</a>	<a href="#">16</a>	Sensor - Transmission Oil Pressure	<a href="#">E-3</a>	<a href="#">76</a>
Ground - Secondary Steering Motor	<a href="#">C-9</a>	<a href="#">17</a>	Sensor - Transmission Oil Temperature	<a href="#">I-11</a>	<a href="#">77</a>
Ground - Starter Motor	<a href="#">B-11</a>	<a href="#">18</a>	Sensor - Water In Fuel	<a href="#">E-13</a>	<a href="#">78</a>
Heater - ARD Fuel Nozzle	<a href="#">H-16</a>	<a href="#">19</a>	Solenoid - 3rd Function Port A	<a href="#">E-2</a>	<a href="#">79</a>
Junction Block	<a href="#">D-10</a>	<a href="#">20</a>	Solenoid - 3rd Function Port B	<a href="#">E-2</a>	<a href="#">80</a>
Module - Aftertreatment ID	<a href="#">I-15</a>	<a href="#">21</a>	Solenoid - 4TH Function Port A	<a href="#">E-2</a>	<a href="#">81</a>
Motor - Autolube Pump	<a href="#">F-10</a>	<a href="#">22</a>	Solenoid - 4TH Function Port B	<a href="#">E-2</a>	<a href="#">82</a>
Motor - CRS Fuel Transfer Pump	<a href="#">D-13</a>	<a href="#">23</a>	Solenoid - A/C Clutch	<a href="#">A-13</a>	<a href="#">83</a>
Motor - Front Washer	<a href="#">C-3</a>	<a href="#">25</a>	Solenoid - ARD Fuel Pressure Control Actuator (1)	<a href="#">H-15</a>	<a href="#">84</a>
Motor - Hood Actuator	<a href="#">H-13</a>	<a href="#">26</a>	Solenoid - ARD Fuel Pressure Control Actuator (2)	<a href="#">H-15</a>	<a href="#">85</a>
Motor - Rear Washer	<a href="#">C-3</a>	<a href="#">27</a>	Solenoid - Axle Oil Cooler Clutch	<a href="#">F-4</a>	<a href="#">86</a>
Motor - Secondary Steering	<a href="#">C-9</a>	<a href="#">28</a>	Solenoid - Bellyguard Actuator	<a href="#">J-14</a>	<a href="#">87</a>
Motor - Starter	<a href="#">C-10</a>	<a href="#">29</a>	Solenoid - Demand Speed Fan	<a href="#">B-3</a>	<a href="#">88</a>
Motor - VPF Compressor	<a href="#">I-14</a>	<a href="#">30</a>	Solenoid - Dump	<a href="#">F-1</a>	<a href="#">89</a>
Pump - Fuel Transfer	<a href="#">D-13</a>	<a href="#">24</a>	Solenoid - Dump Anti-Drift	<a href="#">F-2</a>	<a href="#">90</a>
Relay - ARD Fuel Nozzle Heater	<a href="#">F-15</a>	<a href="#">31</a>	Solenoid - Fan Block	<a href="#">E-3</a>	<a href="#">91</a>
Relay - Glow Plug	<a href="#">B-9</a>	<a href="#">32</a>	Solenoid - Fuel Pump Control Valve	<a href="#">E-13</a>	<a href="#">92</a>
Relay - Secondary Steering	<a href="#">C-9</a>	<a href="#">33</a>	Solenoid - Implement Pilot Supply	<a href="#">F-1</a>	<a href="#">93</a>
Resistor - Alternator	<a href="#">B-13</a>	<a href="#">181</a>	Solenoid - Lower	<a href="#">G-1</a>	<a href="#">94</a>
Resistor - CAN A	<a href="#">A-13</a>	<a href="#">34</a>	Solenoid - Lower Anti-Drift	<a href="#">F-2</a>	<a href="#">95</a>
Resistor - CAN B	<a href="#">C-13</a>	<a href="#">35</a>	Solenoid - Park Brake	<a href="#">C-3</a>	<a href="#">96</a>
Resistor - Engine CAN	<a href="#">H-12</a>	<a href="#">36</a>	Solenoid - Rackback	<a href="#">H-1</a>	<a href="#">97</a>
Sender - Front Axle Oil Temperature	<a href="#">H-3</a>	<a href="#">37</a>	Solenoid - Raise	<a href="#">G-1</a>	<a href="#">98</a>
Sender - Fuel Level	<a href="#">H-13</a>	<a href="#">38</a>	Solenoid - Ride Control Balance	<a href="#">G-2</a>	<a href="#">99</a>
Sender - Hydraulic Oil Temperature	<a href="#">E-9</a>	<a href="#">39</a>	Solenoid - Ride Control Head End Check	<a href="#">G-1</a>	<a href="#">100</a>
Sender - Rear Axle Oil Temperature	<a href="#">H-12</a>	<a href="#">40</a>	Solenoid - Ride Control Rod End Check	<a href="#">H-1</a>	<a href="#">101</a>
Sensor - Aftertreatment 1 Sec Air Pressure	<a href="#">G-15</a>	<a href="#">41</a>	Solenoid - Start Aid	<a href="#">D-9</a>	<a href="#">102</a>
Sensor - Aftertreatment Gas DPF In	<a href="#">H-15</a>	<a href="#">42</a>	Solenoid - Transmission Bypass	<a href="#">E-3</a>	<a href="#">103</a>
Sensor - Aftertreatment NRS Temperature	<a href="#">H-14</a>	<a href="#">43</a>	Solenoids - Injector	<a href="#">A-15</a>	<a href="#">104</a>
Sensor - Air Filter	<a href="#">E-12</a>	<a href="#">44</a>	Solenoids - Transmission	<a href="#">H-11</a>	<a href="#">105</a>
Sensor - Air Inlet Temperature	<a href="#">E-12</a>	<a href="#">45</a>	Switch - A/C High / Low Pressure	<a href="#">A-13</a>	<a href="#">106</a>
Sensor - ARD Fuel Pressure (Main)	<a href="#">H-15</a>	<a href="#">46</a>	Switch - A/C Low Pressure	<a href="#">A-13</a>	<a href="#">107</a>
Sensor - ARD Fuel Pressure (Pilot)	<a href="#">H-15</a>	<a href="#">47</a>	Switch - Autolube Pressure	<a href="#">F-10</a>	<a href="#">108</a>
Sensor - Barometric Pressure	<a href="#">C-13</a>	<a href="#">48</a>	Switch - Belly Guard Actuator	<a href="#">J-14</a>	<a href="#">109</a>
Sensor - Brake Accumulation Oil Pressure	<a href="#">D-3</a>	<a href="#">49</a>	Switch - Disconnect	<a href="#">E-10</a>	<a href="#">110</a>
Sensor - Cam Speed	<a href="#">D-13</a>	<a href="#">50</a>	Switch - Fuel Priming Pump	<a href="#">D-12</a>	<a href="#">111</a>
Sensor - Charge Air Cooler Out Temperature	<a href="#">D-13</a>	<a href="#">51</a>	Switch - Ground Level Shutdown	<a href="#">I-13</a>	<a href="#">112</a>
Sensor - Crank Speed	<a href="#">D-13</a>	<a href="#">52</a>	Switch - Hood Actuator	<a href="#">I-13</a>	<a href="#">113</a>
Sensor - DPF Intake Pressure	<a href="#">G-15</a>	<a href="#">53</a>	Switch - Hydraulic Filter Bypass	<a href="#">B-3</a>	<a href="#">114</a>
Sensor - DPF Intake Temperature	<a href="#">H-15</a>	<a href="#">54</a>	Switch - Low Oil Level	<a href="#">D-13</a>	<a href="#">115</a>
Sensor - DPF Soot Sensor	<a href="#">F-12</a>	<a href="#">55</a>	Switch - Transmission Filter Bypass	<a href="#">C-3</a>	<a href="#">116</a>
Sensor - Engine Coolant Temperature	<a href="#">D-13</a>	<a href="#">56</a>	Valve - Engine Intake Throttle	<a href="#">F-13</a>	<a href="#">117</a>
Sensor - Engine Fuel Temperature	<a href="#">E-13</a>	<a href="#">57</a>	Valve - NRS	<a href="#">E-13</a>	<a href="#">118</a>
Sensor - Engine Oil Pressure	<a href="#">C-13</a>	<a href="#">58</a>	Valve - Turbo Wastegate Regulator	<a href="#">D-13</a>	<a href="#">119</a>
Sensor - Fuel Rail Pressure	<a href="#">C-13</a>	<a href="#">59</a>	Valve Gp - Quick Coupler	<a href="#">H-4</a>	<a href="#">120</a>

Check Part Numbers in Parts Manual for your specific machine

# COMPONENT LOCATION

## Volume 2 of 2 - CAB WIRING



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Actuator - LH Mirror	<a href="#">J-1</a>	<a href="#">121</a>	Relay - Front Wiper On / Off	<a href="#">J-12</a>	<a href="#">135</a>
Actuator - RH Mirror	<a href="#">J-1</a>	<a href="#">122</a>	Relay - Fuel Lift Pump	<a href="#">G-12</a>	<a href="#">136</a>
Alarm - Action	<a href="#">C-14</a>	<a href="#">123</a>	Relay - Fuel Transfer Pump	<a href="#">G-12</a>	<a href="#">136</a>
Alarm - Machine Feature	<a href="#">D-14</a>	<a href="#">124</a>	Relay - Heated Mirrors	<a href="#">G-12</a>	<a href="#">136</a>
Breaker - Belly Guard	<a href="#">F-12</a>	<a href="#">136</a>	Relay - High Beams	<a href="#">G-12</a>	<a href="#">136</a>
Breaker - Hood Actuator	<a href="#">F-12</a>	<a href="#">136</a>	Relay - Left Hand Tail Lamps	<a href="#">H-12</a>	<a href="#">136</a>
Breaker - Wipers	<a href="#">H-12</a>	<a href="#">135</a>	Relay - Low Beams	<a href="#">H-12</a>	<a href="#">136</a>
Control - Flasher	<a href="#">G-16</a>	<a href="#">125</a>	Relay - Low Current Mode	<a href="#">F-12</a>	<a href="#">153</a>
Control - HVAC Blower Speed	<a href="#">G-5</a>	<a href="#">126</a>	Relay - Main	<a href="#">F-12</a>	<a href="#">154</a>
Control - Implement	<a href="#">E-16</a>	<a href="#">127</a>	Relay - Rear HID Lamps	<a href="#">J-12</a>	<a href="#">135</a>
Control - Instrument Cluster	<a href="#">B-6</a>	<a href="#">128</a>	Relay - Rear Lamps	<a href="#">I-12</a>	<a href="#">135</a>
Control - Relay Driver Module	<a href="#">G-16</a>	<a href="#">129</a>	Relay - Rear Wiper High / Low	<a href="#">I-12</a>	<a href="#">135</a>
Control - Transmission	<a href="#">I-14</a>	<a href="#">130</a>	Relay - Rear Wiper On / Off	<a href="#">I-12</a>	<a href="#">135</a>
Control - Transmission Gear Selector	<a href="#">E-9</a>	<a href="#">131</a>	Relay - Right Hand Tail Lamps	<a href="#">H-12</a>	<a href="#">136</a>
Control - VIMS Main	<a href="#">E-14</a>	<a href="#">132</a>	Relay - VPF	<a href="#">J-12</a>	<a href="#">135</a>
Converter - 10A	<a href="#">H-5</a>	<a href="#">133</a>	Resistor - CAN A	<a href="#">C-5</a>	<a href="#">155</a>
Converter - 20A	<a href="#">C-15</a>	<a href="#">134</a>	Resistor - HVAC Pull Up	<a href="#">E-16</a>	<a href="#">156</a>
Fuse Block - Switched	<a href="#">J-12</a>	<a href="#">135</a>	Sensor - 3rd Lever Position	<a href="#">B-8</a>	<a href="#">157</a>
Fuse Block - Unswitched	<a href="#">H-12</a>	<a href="#">136</a>	Sensor - 4th Function Thumbroller	<a href="#">B-8</a>	<a href="#">158</a>
Ground - Converter	<a href="#">C-15</a>	<a href="#">137</a>	Sensor - HVAC Evaporator Thermostat	<a href="#">I-3</a>	<a href="#">159</a>
Ground - Main Cab 1	<a href="#">B-14</a>	<a href="#">138</a>	Sensor - Left Pedal Position	<a href="#">B-6</a>	<a href="#">160</a>
Ground - Main Cab 2	<a href="#">A-14</a>	<a href="#">139</a>	Sensor - Lift Lever Position	<a href="#">B-8</a>	<a href="#">161</a>
Ground - Upper Cab	<a href="#">F-5</a>	<a href="#">140</a>	Sensor - Louver Temperature	<a href="#">I-3</a>	<a href="#">162</a>
Joystick - Implement	<a href="#">C-2</a>	<a href="#">141</a>	Sensor - Recirc Filter Temperature	<a href="#">I-3</a>	<a href="#">163</a>
Keypad (16)	<a href="#">C-5</a>	<a href="#">142</a>	Sensor - Right Pedal Position	<a href="#">B-6</a>	<a href="#">164</a>
Keypad (8)	<a href="#">C-5</a>	<a href="#">143</a>	Sensor - Tilt Lever Position	<a href="#">B-8</a>	<a href="#">165</a>
Monitor - Rear Vision	<a href="#">F-4</a>	<a href="#">144</a>	Switch - ATC/Manual	<a href="#">B-5</a>	<a href="#">166</a>
Motor - Air Seat / Heated Seat	<a href="#">C-8</a>	<a href="#">145</a>	Switch - Door	<a href="#">E-12</a>	<a href="#">167</a>
Motor - Blower	<a href="#">J-3</a>	<a href="#">146</a>	Switch - Front/Rear Washer	<a href="#">B-5</a>	<a href="#">168</a>
Motor - Front Wiper Motor	<a href="#">B-6</a>	<a href="#">147</a>	Switch - Implement Lockout	<a href="#">E-5</a>	<a href="#">169</a>
Motor - Precleaner	<a href="#">J-3</a>	<a href="#">148</a>	Switch - Key	<a href="#">D-5</a>	<a href="#">170</a>
Motor - Rear Wiper	<a href="#">H-5</a>	<a href="#">149</a>	Switch - Operator Present	<a href="#">D-8</a>	<a href="#">171</a>
Panel - HVAC	<a href="#">B-5</a>	<a href="#">150</a>	Switch - Parking Brake	<a href="#">E-5</a>	<a href="#">172</a>
Panel - Wiper	<a href="#">C-5</a>	<a href="#">151</a>	Switch - PCS Store / Autodig Trigger	<a href="#">D-8</a>	<a href="#">173</a>
Radio - VIMS 3G Receiver	<a href="#">E-12</a>	<a href="#">152</a>	Switch - Powered Mirrors	<a href="#">D-5</a>	<a href="#">174</a>
Relay - Beacon	<a href="#">G-12</a>	<a href="#">136</a>	Switch - Remote FNR	<a href="#">C-8</a>	<a href="#">175</a>
Relay - Forward Horn	<a href="#">H-12</a>	<a href="#">136</a>	Switch - Stop Lamp	<a href="#">B-6</a>	<a href="#">176</a>
Relay - Front HID Lamps	<a href="#">I-12</a>	<a href="#">135</a>	Switch - Transmission Downshift / Horn	<a href="#">D-8</a>	<a href="#">177</a>
Relay - Front Lamps	<a href="#">I-12</a>	<a href="#">135</a>	Switch - Transmission Shifter	<a href="#">E-8</a>	<a href="#">178</a>
Relay - Front Wiper High / Low	<a href="#">J-12</a>	<a href="#">135</a>	Valve - Water	<a href="#">I-3</a>	<a href="#">179</a>

Machine locations are repeated for components located close together.

# CONNECTOR LOCATION

## Volume 1 of 2 - CHASSIS AND ENGINE WIRING



Connector Number	Schematic Location
<a href="#">CONN 1</a>	<a href="#">J-13</a>
<a href="#">CONN 2</a>	<a href="#">J-13</a>
<a href="#">CONN 3</a>	<a href="#">D-14</a>
<a href="#">CONN 4</a>	<a href="#">E-13</a>
<a href="#">CONN 5</a>	<a href="#">B-13</a>
<a href="#">CONN 6</a>	<a href="#">B-13</a>
<a href="#">CONN 7</a>	<a href="#">C-13</a>
<a href="#">CONN 8</a>	<a href="#">G-12</a>
<a href="#">CONN 9</a>	<a href="#">H-12</a>
<a href="#">CONN 10</a> Aux Start Recptacle	<a href="#">E-10</a>
<a href="#">CONN 11</a>	<a href="#">H-8</a>
<a href="#">CONN 12</a>	<a href="#">C-9</a>
<a href="#">CONN 13</a>	<a href="#">D-9</a>
<a href="#">CONN 14</a>	<a href="#">F-9</a>
<a href="#">CONN 15</a>	<a href="#">H-7</a>
<a href="#">CONN 16</a>	<a href="#">I-7</a>
<a href="#">CONN 17</a>	<a href="#">C-4</a>
<a href="#">CONN 18</a>	<a href="#">C-4</a>
<a href="#">CONN 19</a>	<a href="#">E-4</a>
<a href="#">CONN 20</a>	<a href="#">C-5</a>
<a href="#">CONN 21</a>	<a href="#">D-5</a>
<a href="#">CONN 22</a>	<a href="#">I-4</a>
<a href="#">CONN 23</a>	<a href="#">I-5</a>
<a href="#">CONN 24</a>	<a href="#">I-5</a>
<a href="#">CONN 25</a>	<a href="#">H-5</a>
<a href="#">CONN 26</a>	<a href="#">G-4</a>
<a href="#">CONN 27</a>	<a href="#">G-5</a>
<a href="#">CONN 28</a>	<a href="#">G-5</a>
<a href="#">CONN 29</a>	<a href="#">F-5</a>
<a href="#">CONN 30</a>	<a href="#">F-5</a>
<a href="#">CONN 31</a>	<a href="#">H-3</a>
<a href="#">CONN 32</a>	<a href="#">J-4</a>

# CONNECTOR LOCATION

## Volume 2 of 2 - CAB WIRING



Connector Number	Schematic Location
<a href="#">CONN 11</a>	<a href="#">G-9</a>
<a href="#">CONN 20</a>	<a href="#">H-9</a>
<a href="#">CONN 21</a>	<a href="#">J-9</a>
<a href="#">CONN 33</a>	<a href="#">C-14</a>
<a href="#">CONN 34</a> VIMS 3rd Party Radio Atch.	<a href="#">C-14</a>
<a href="#">CONN 35</a> VIMS Service Port	<a href="#">E-12</a>
<a href="#">CONN 36</a>	<a href="#">E-9</a>
<a href="#">CONN 37</a> ET Conn	<a href="#">D-9</a>
<a href="#">CONN 38</a>	<a href="#">C-4, C-9</a>
<a href="#">CONN 39</a>	<a href="#">C-4, C-9</a>
<a href="#">CONN 40</a>	<a href="#">E-8</a>
<a href="#">CONN 41</a>	<a href="#">B-6</a>
<a href="#">CONN 42</a>	<a href="#">B-6</a>
<a href="#">CONN 43</a> PCS Printer	<a href="#">C-6</a>
<a href="#">CONN 44</a>	<a href="#">J-5</a>
<a href="#">CONN 45</a>	<a href="#">I-5</a>
<a href="#">CONN 46</a>	<a href="#">J-2</a>

# SPECIFICATIONS AND RELATED MANUALS

## Volume 1 of 2 - CHASSIS AND ENGINE WIRING



Resistor, Sender and Solenoid Specifications		
Part No.	Component Description	Resistance (Ohms) <sup>1</sup>
134-2540	Resistor: CAN	120 ± 12
239-1134	Solenoid: Start Aid	20
240-7193	Resistor: Alternator	500 ± 25
241-5899	Solenoid: Axle Oil Cooler Clutch	24 ± 0.5
244-3114	Solenoid: Transmission Clutches	8.7 ± 0.4
251-3268	Solenoid: Fan Block Transmission Bypass Ride Control 2 Balance Ride Control 3 Head End Check	33.75 ± 1.68
256-6453	Sender: Transmission Oil Temperature Hydraulic Oil Temperature	-40°C = 33.65k 25°C = 1k 150°C = 18.6
264-4297	Sender: Rear Axle Oil Temperature Front Axle Oil Temperature	-40°C = 33.65k 25°C = 1k 150°C = 18.6
277-8863	Solenoid: Park Brake	33.75 ± 1.68
313-7668	Solenoid: Rackback Lower Raise Dump 3rd Function Port A&B 4th Function Port A&B	5 ± 0.3
320-1291	Solenoid: A/C Clutch	17.6 ± 0.6
321-8473	Solenoid: Engage Disengage Enable	33.75 ± 1.68
322-7452	Sender: Fuel Level	Empty = 240 - 250 Full 28 - 33
328-4314	Solenoid: Ride Control 1 Rod End Check Lower Anti-Drift Dump Anti-Drift	33.8
333-8242	Solenoid: Demand Speed Fan Implement Pilot Supply	33.75 ± 1.68
344-6590	Solenoid: ARD Fuel Pressure Control Actuator 1 & 2	2.01 ± 0.2

<sup>1</sup> At room temperature unless otherwise noted.

Related Electrical Service Manuals		
Title	Form Number	
Alternator: Bosch	SENR3685	
Starting Motor: Delco iMT 500	SENR3860	
Engine Control:	UENR0635	

Off-Machine Switch Specification					
Part No.	Function		Actuate	Deactuate	Contact Position
355-3148	A/C High/Low Pressure	Low	275 kPa MAX (39.8 psi MAX)	170 ± 55 kPa (24.6 ± 7.9 psi)	0-1 and 0-3 Normally Open 0-2 Normally Closed Note A
		High	2800 ± 140 kPa (406.1 ± 20.3 psi)	1750 ± 200 kPa (253.8 ± 29 psi)	
149-6371	A/C Low Pressure		103.4 ± 13.8 kPa (15 ± 2 psi)	34.5 ± 7 kPa (5 ± 1 psi)	Normally Open
310-8636	Hydraulic Filter Bypass		497 kPa (72 psi)	-	Normally Closed

Note A : At proper operating pressure

# SPECIFICATIONS AND RELATED MANUALS

## Volume 2 of 2 - CAB WIRING



Related Electrical Service Manuals	
Title	Form Number
Engine Control:	UENR0635
Transmission Control:	KENR5791
Implement Control:	KENR5803
VIMS 3G Control:	UENR0769

Resistor, Sender and Solenoid Specifications		
Part No.	Component Description	Resistance (Ohms) <sup>1</sup>
134-2540	Resistor: CAN	120 ± 12
228-4982	Resistor: HVAC Pull Up	150 ± 7.5
233-6131	Sensor: HVAC Evaporator Thermostat	-40°C = 33.65k 25°C = 1k 120°C = 39
256-6454	Sensor: Louver Temperature Recirculation Filter Temperature	-40°C = 33.65k 25°C = 1k 150°C = 18.6

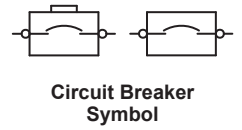
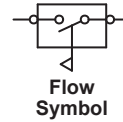
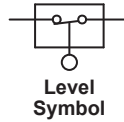
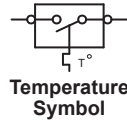
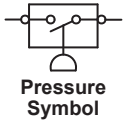


# HARNESS and WIRE

## Electrical Schematic Symbols



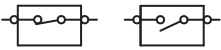
### Symbols



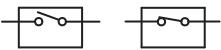
### Symbols and Definitions



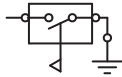
**Fuse:** A component in an electrical circuit that will open the circuit if too much current flows through it.



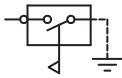
**Switch (Normally Open):** A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has screw terminals and a wire can be disconnected from it.



**Switch (Normally Closed):** A switch that will open at a specified point (temp, press, etc.). No circle indicates that the wire cannot be disconnected from the component.



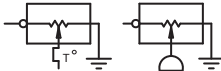
**Ground (Wired):** This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.



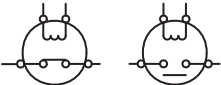
**Ground (Case):** This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.



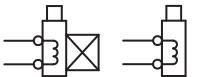
**Reed Switch:** A switch whose contacts are controlled by a magnet. A magnet closes the contacts of a normally open reed switch; it opens the contacts of a normally closed reed switch.



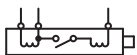
**Sender:** A component that is used with a temperature or pressure gauge. The sender measures the temperature or pressure. Its resistance changes to give an indication to the gauge of the temperature or pressure.



**Relay (Magnetic Switch):** A relay is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close the switch part of the relay.



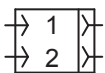
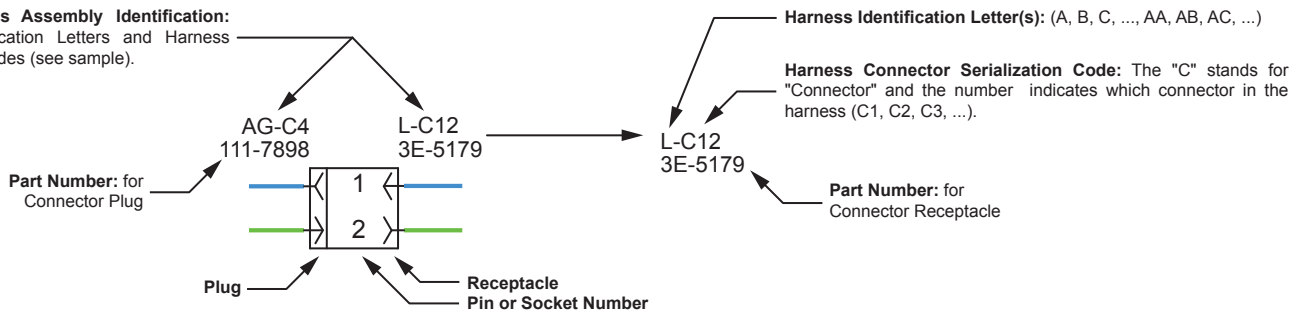
**Solenoid:** A solenoid is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close a valve or move a piece of metal that can do work.



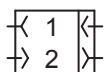
**Magnetic Latch Solenoid:** A magnetic latch solenoid is an electrical component that is activated by electricity and held latched by a permanent magnet. It has two coils (latch and unlatch) that make electromagnet when current flows through them. It also has an internal switch that places the latch coil circuit open at the time the coil latches.

### Harness and Wire Symbols

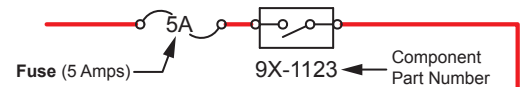
**Wire, Cable, or Harness Assembly Identification:** Includes Harness Identification Letters and Harness Connector Serialization Codes (see sample).



**Deutsch connector:** Typical representation of a Deutsch connector. The plug contains all sockets and the receptacle contains all pins.



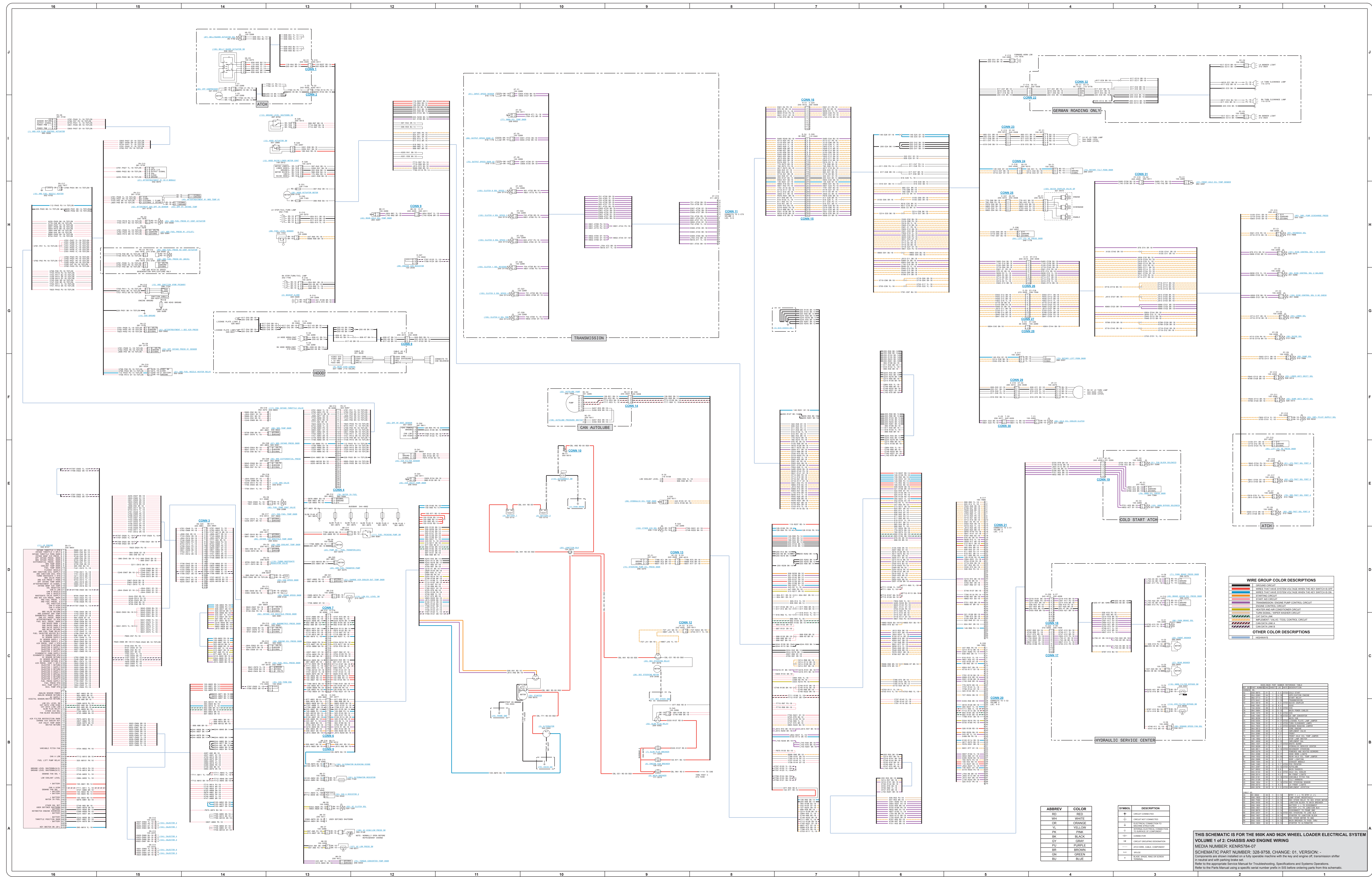
**Sure-Seal connector:** Typical representation of a Sure-Seal connector. The plug and receptacle contain both pins and sockets.



**Harness identification code:** This example indicates wire group 325, wire 135 in harness "AG".

**325-AG135** **PK-14**

**Wire Gauge**  
**Wire Color**



**WIRE GROUP COLOR DESCRIPTIONS**

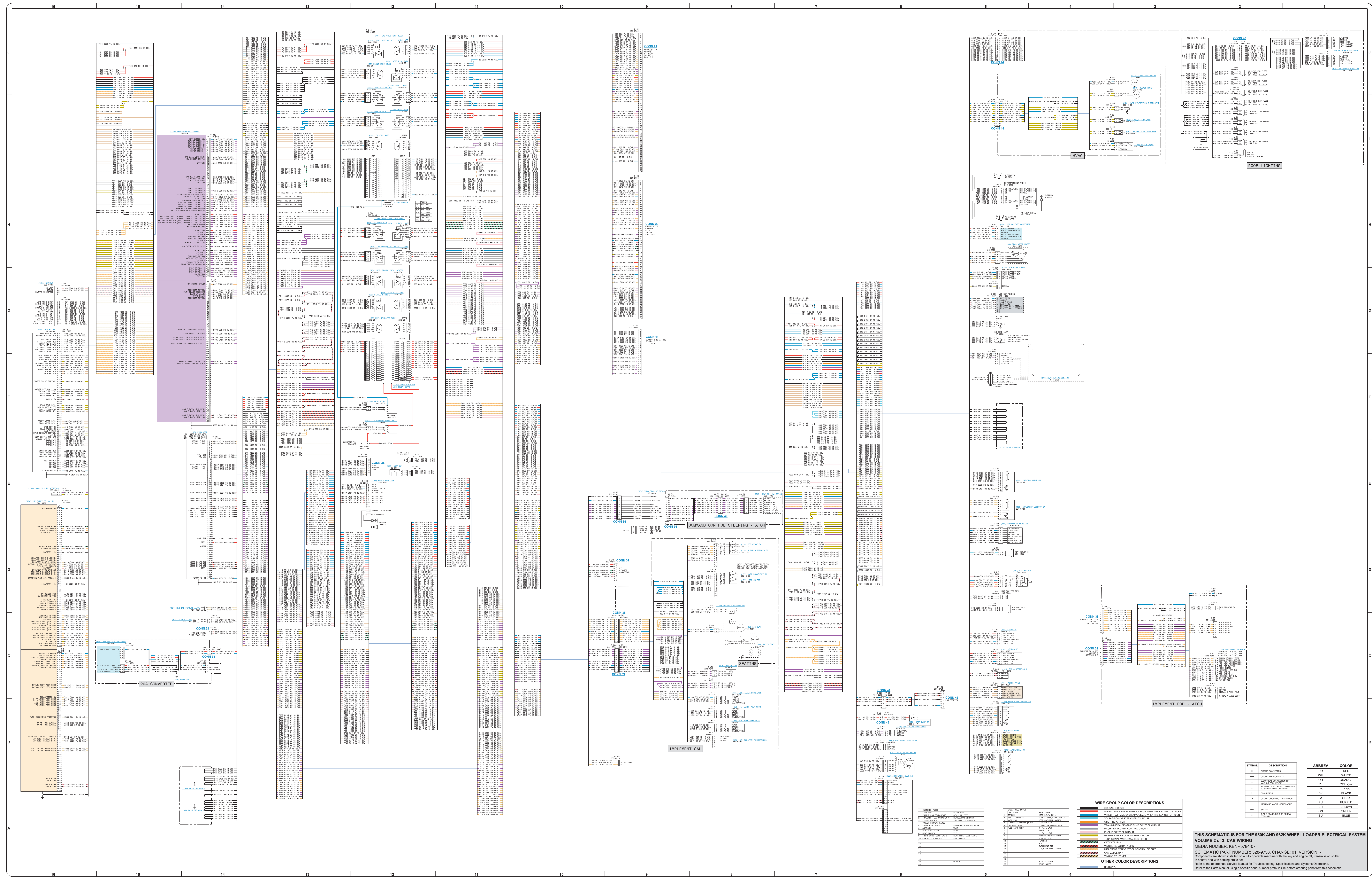
- GROUND CIRCUIT
- GROUP THAT OPERATES UNDER VOLTAGE WHEN THE KEY SWITCH IS ON
- GROUP THAT OPERATES UNDER VOLTAGE WHEN THE KEY SWITCH IS OFF
- STARTER CIRCUIT
- TRANSMISSION - CRUISE PUMP CONTROL CIRCUIT
- HEATER AND AIR CONDITIONER CIRCUIT
- GROUP CIRCUIT - SAFETY RELATED CIRCUIT
- GROUP CIRCUIT - TOOL CONTROL CIRCUIT
- GROUP CIRCUIT -
- GROUP CIRCUIT -

**OTHER COLOR DESCRIPTIONS**

- INDICATOR

ABBREV	COLOR	SYMBOL	DESCRIPTION
RD	RED	+	GROUP CONNECTS
WH	WHITE	+	GROUND CONNECTIONS
OR	ORANGE	+	DIFFERENTIAL TO
YL	YELLOW	+	DIFFERENTIAL TO
PK	PINK	+	DIFFERENTIAL TO
BL	BLACK	+	COMMON GROUND CONNECTIONS
GR	GRAY	+	COMMON GROUND CONNECTIONS
PU	PURPLE	+	ATV-WIRE LOCAL COMPONENT
BR	BROWN	+	GROUP
GN	GREEN	+	GROUP
BU	BLUE	+	GROUP

THIS SCHEMATIC IS FOR THE 950K AND 962K WHEEL LOADER ELECTRICAL SYSTEM  
 MEDIA NUMBER: KENR5784-07  
 SCHEMATIC PART NUMBER: 328-9758, CHANGE: 01, VERSION: -  
 Components are shown installed on a fully operable machine with the key and engine off, transmission in neutral and with parking brake set.  
 Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.  
 Refer to the Parts Manual using a specific serial number prefix in SIS before ordering parts from this schematic.

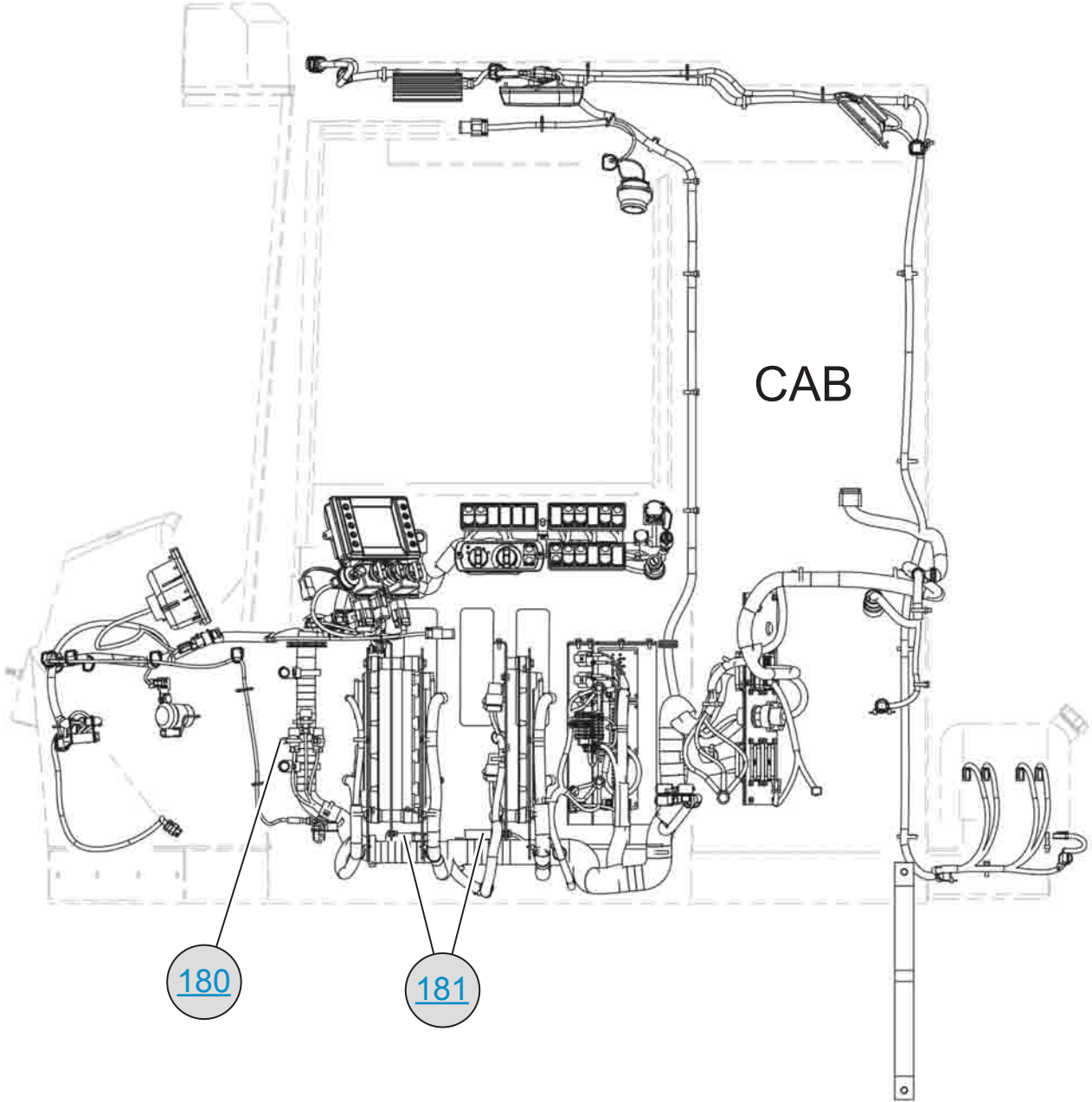


SYMBOL	DESCRIPTION	ABBREV	COLOR
+	GROUND CONNECTOR	GRD	WHITE
+	GROUND NOT CONNECTED	GRN	ORANGE
+	WIRE GROUP	WG	YELLOW
+	WIRE GROUP NOT CONNECTED	WGN	PINK
+	CONNECTOR	CON	BLACK
+	GROUND GROUPS (INDICATED)	GG	GRAY
+	GROUND (INDICATED)	GR	PURPLE
+	GROUND (INDICATED)	BR	BROWN
+	GROUND (INDICATED)	GN	GREEN
+	GROUND (INDICATED)	BL	BLUE

WIRE GROUP COLOR DESCRIPTIONS	
RED	RED WIRE GROUP
ORANGE	ORANGE WIRE GROUP
YELLOW	YELLOW WIRE GROUP
PINK	PINK WIRE GROUP
BLACK	BLACK WIRE GROUP
GRAY	GRAY WIRE GROUP
PURPLE	PURPLE WIRE GROUP
BROWN	BROWN WIRE GROUP
GREEN	GREEN WIRE GROUP
BLUE	BLUE WIRE GROUP

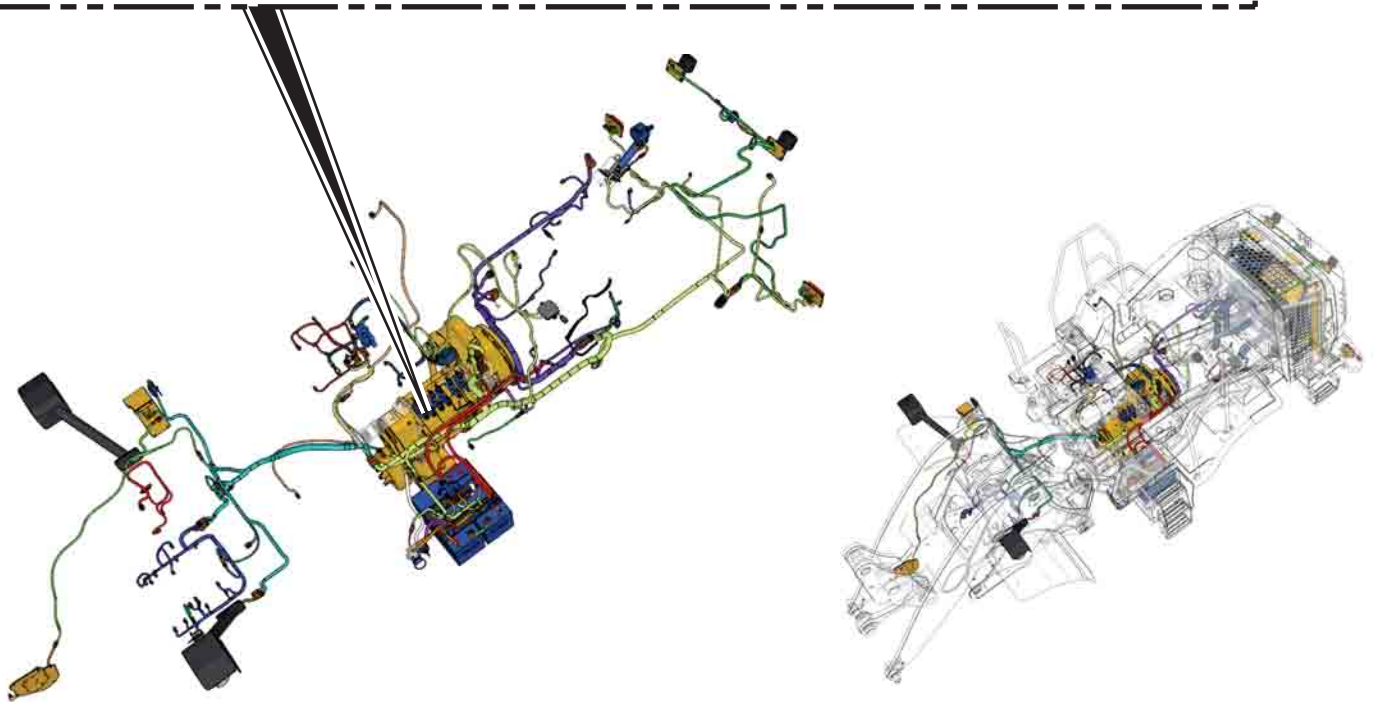
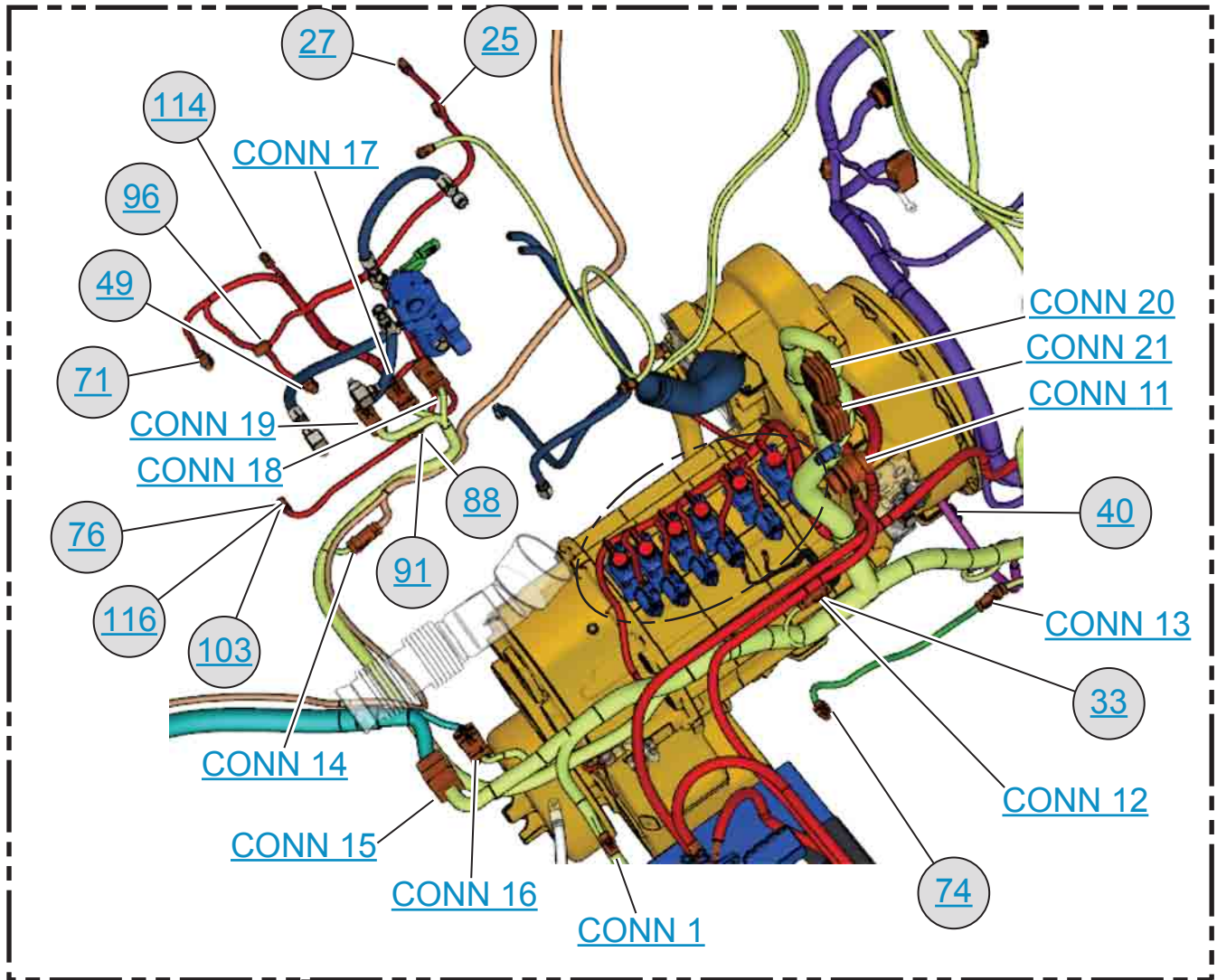
THIS SCHEMATIC IS FOR THE 950K AND 962K WHEEL LOADER ELECTRICAL SYSTEM  
 VOLUME 2 of 2: CAB WIRING  
 MEDIA NUMBER: KENR5784-07  
 SCHEMATIC PART NUMBER: 328-9758, CHANGE: 01, VERSION: 1  
 Components are shown installed on a fully operable machine, with the key and engine off, transmission in the  
 neutral and with parking brake set.  
 Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.  
 Refer to the Parts Manual using a specific serial number prefix in SIS before ordering parts from this schematic.

# ALTERNATOR BLOCKING CIRCUIT

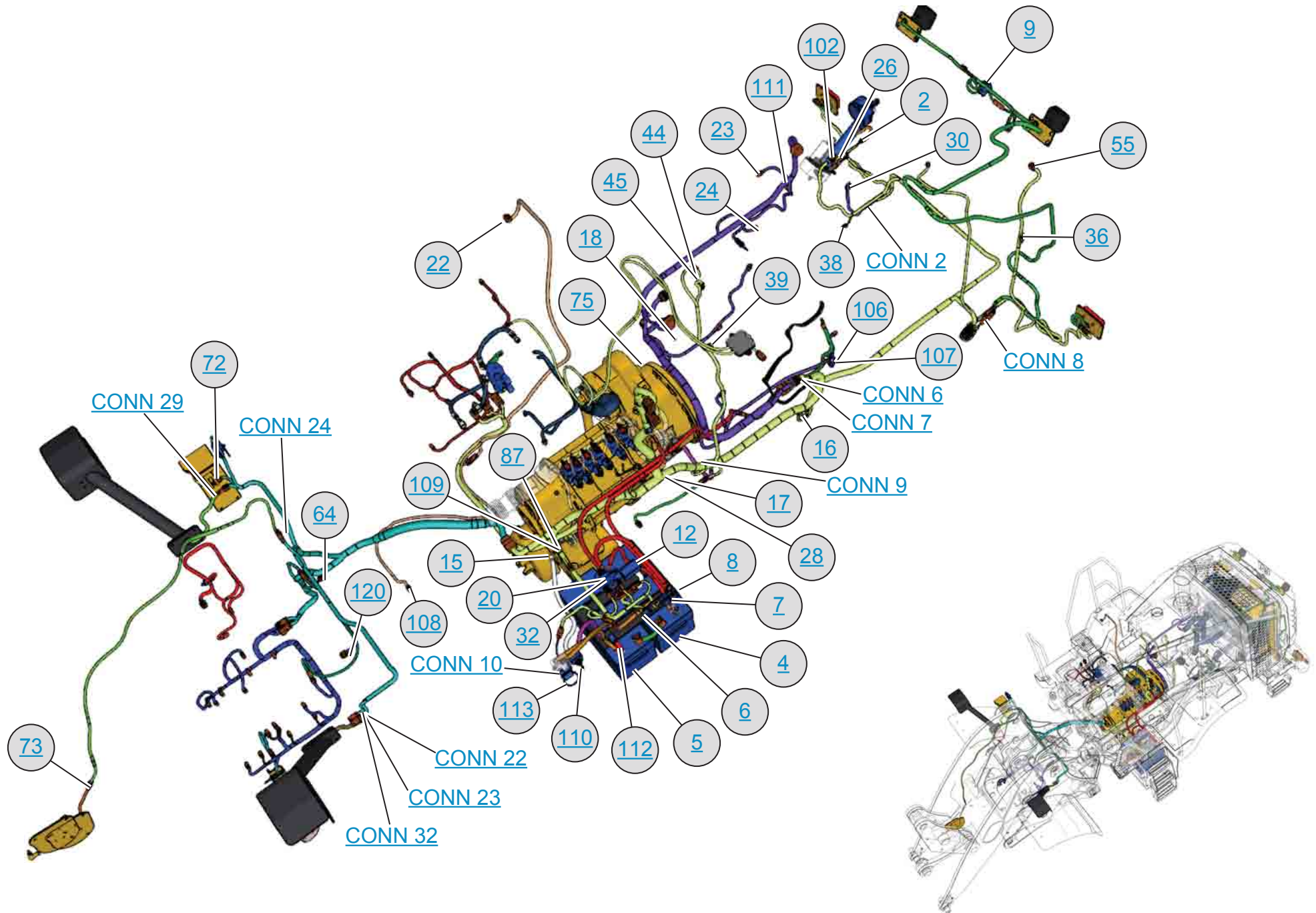


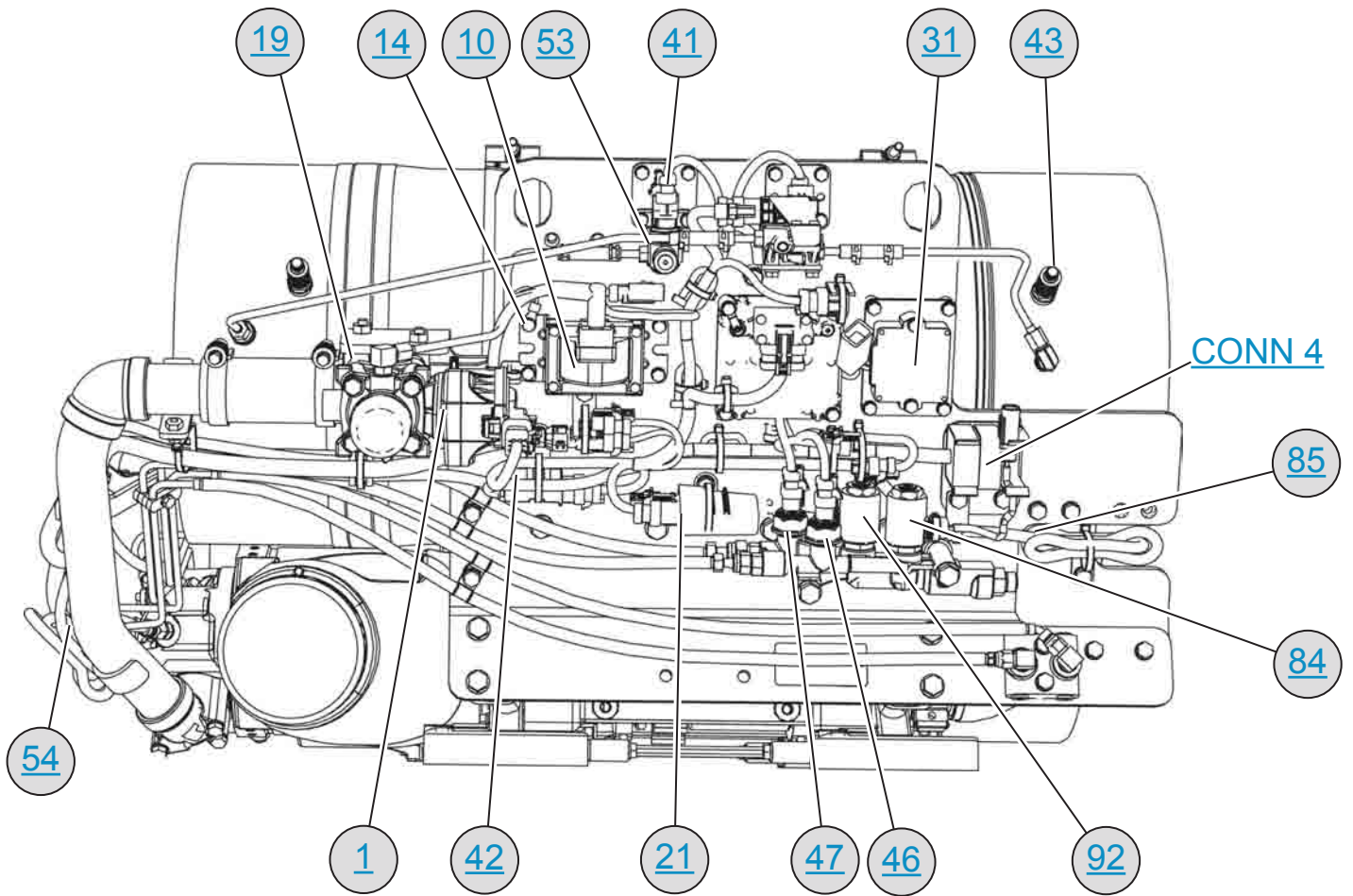
LEFT SIDE VIEW

# CENTER CHASSIS

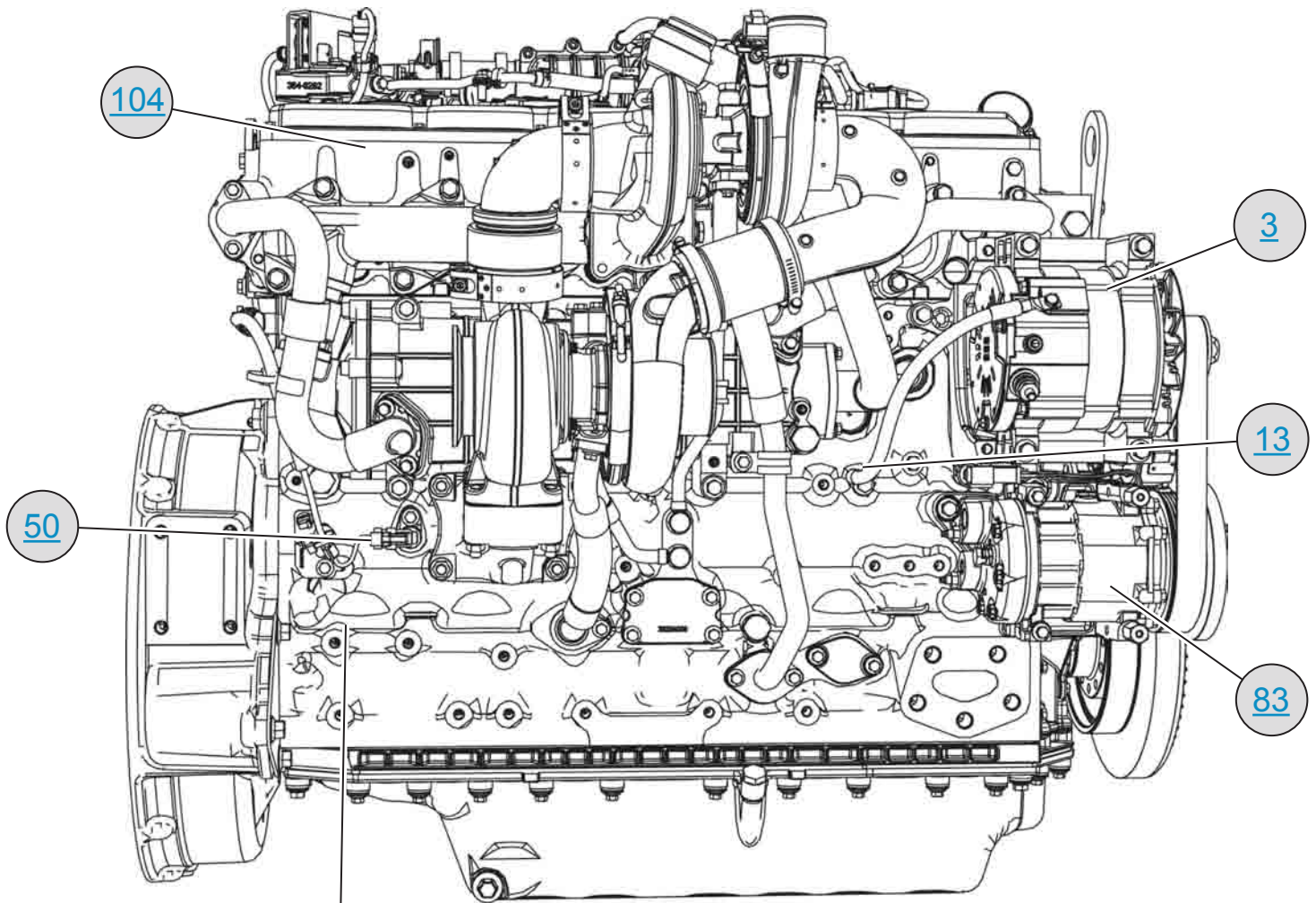


# CHASSIS





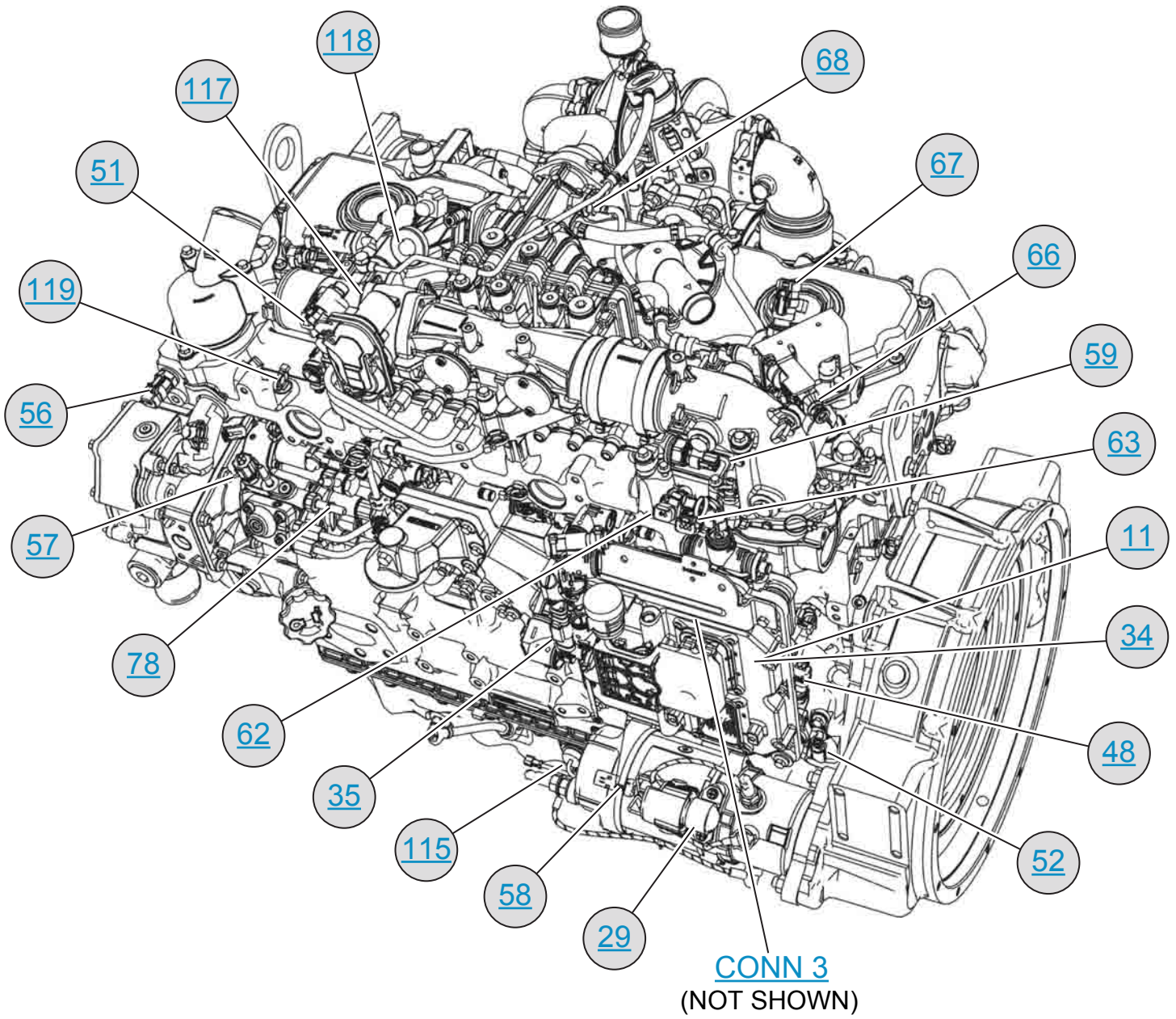
# ENGINE LEFT SIDE



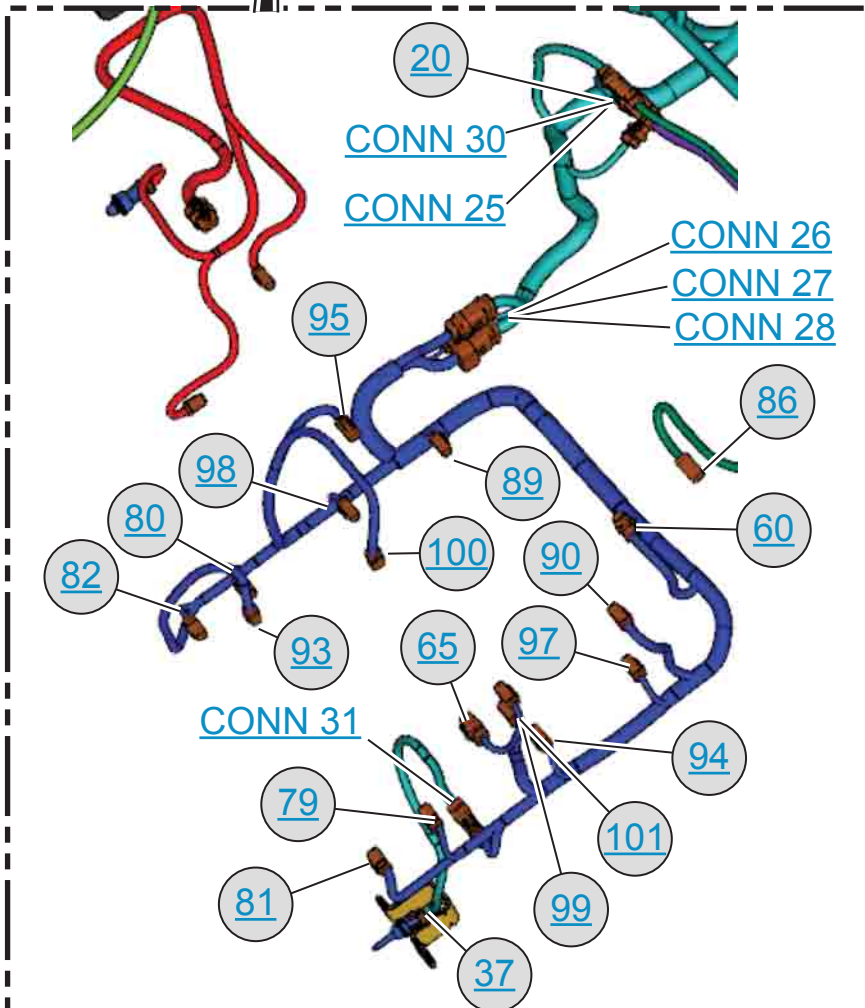
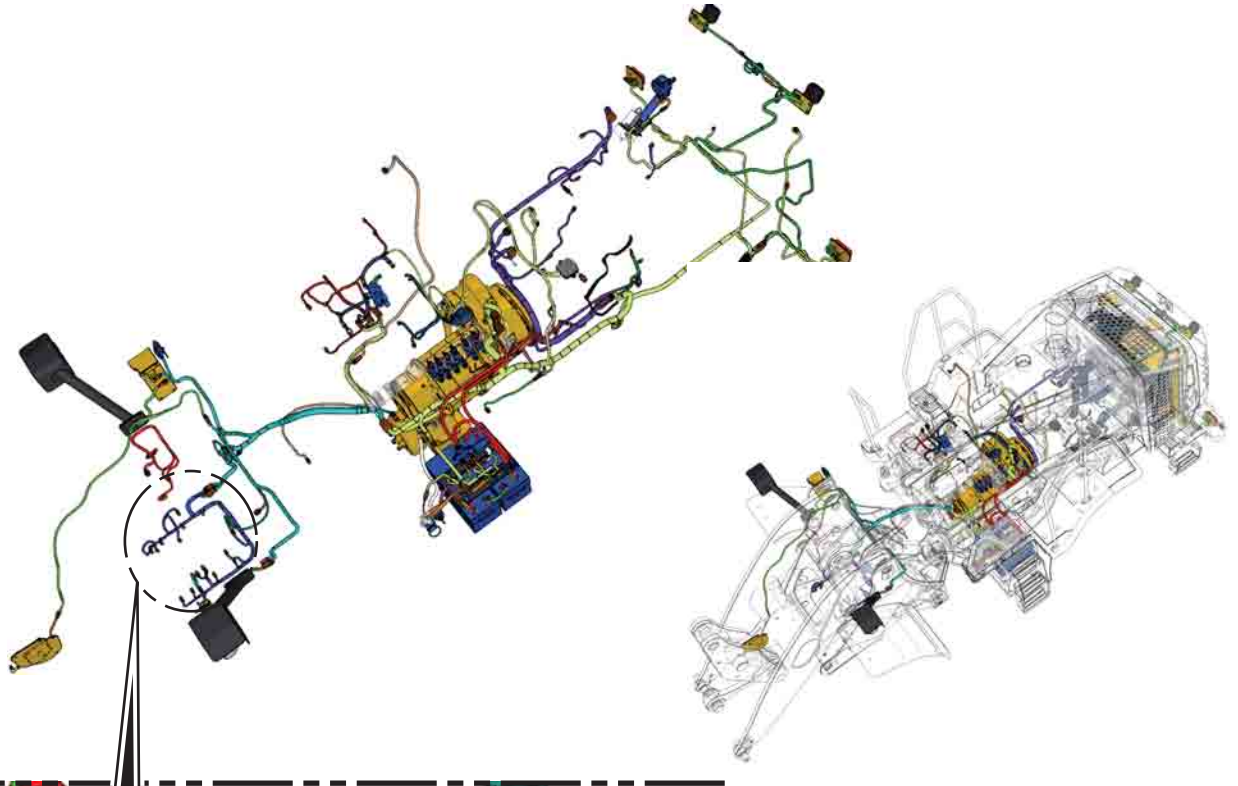
CONN 5  
(NOT SHOWN)



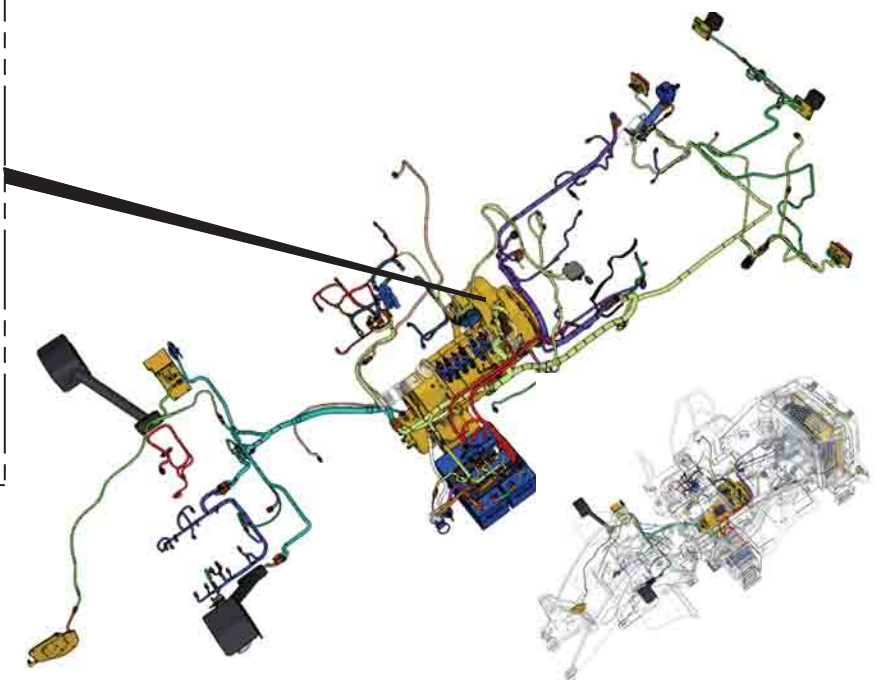
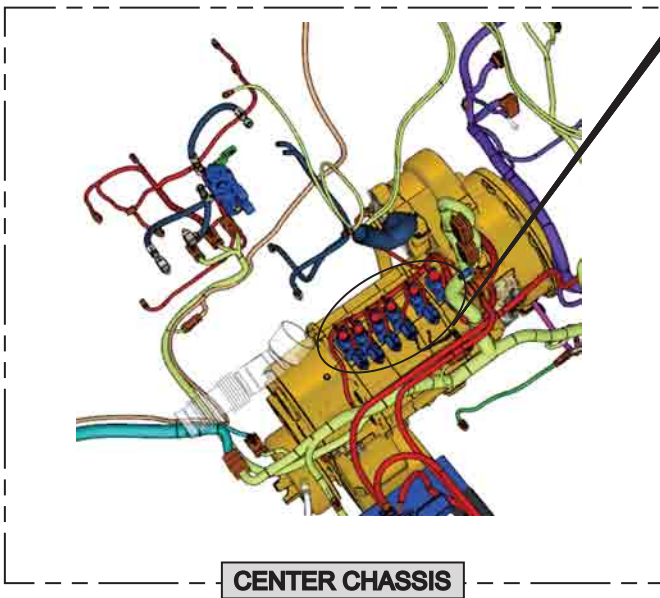
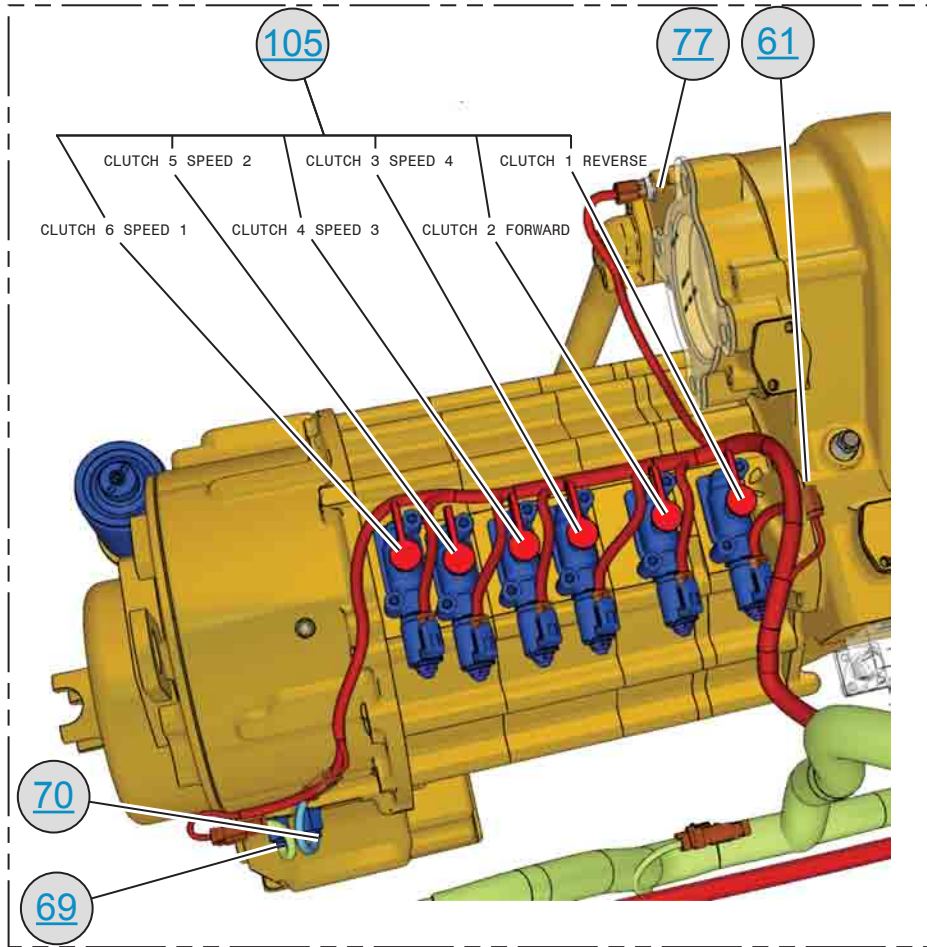
# ENGINE RIGHT SIDE



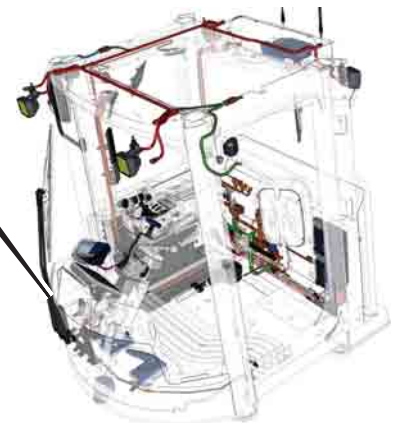
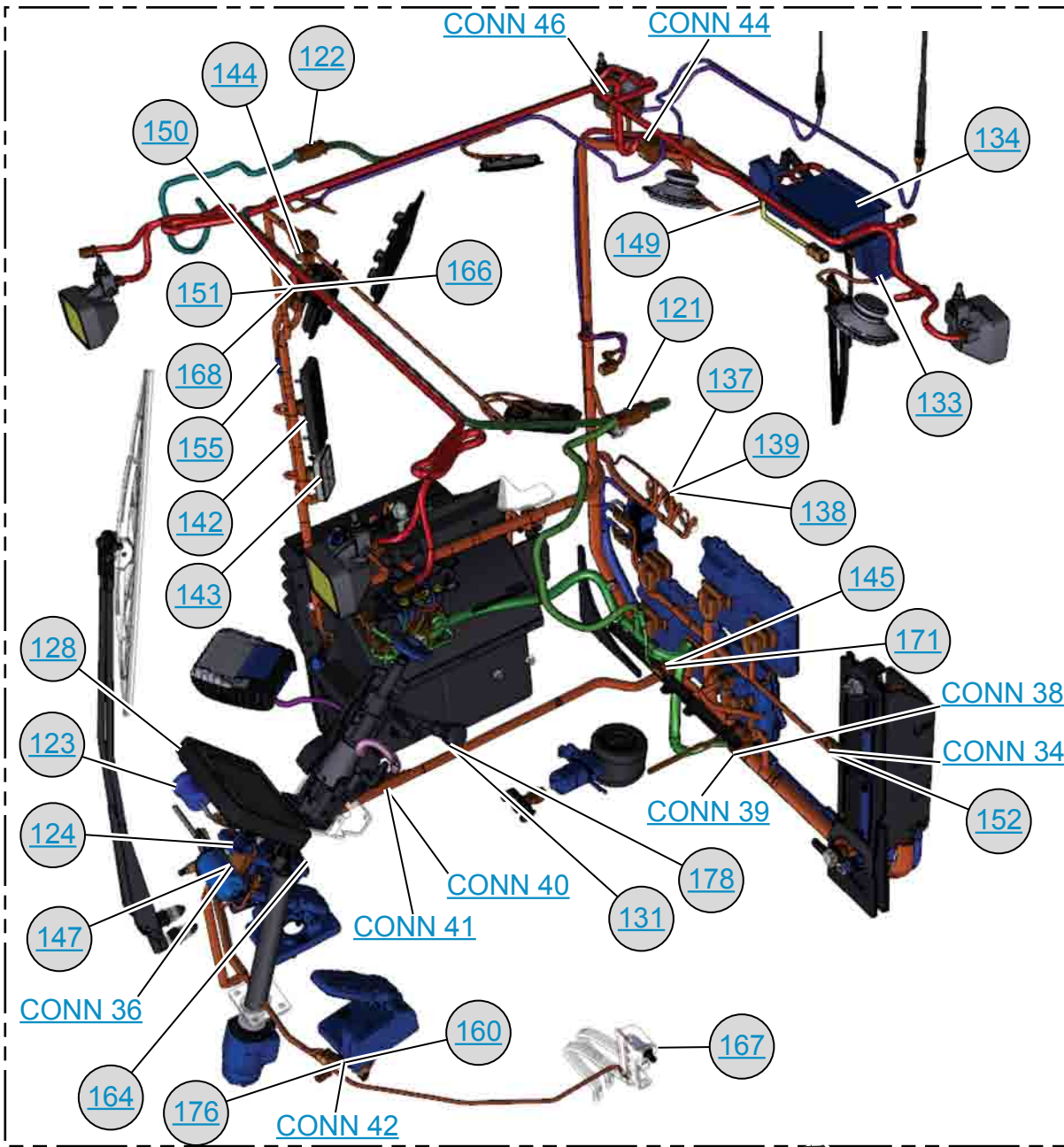
# IMPLEMENT VALVE



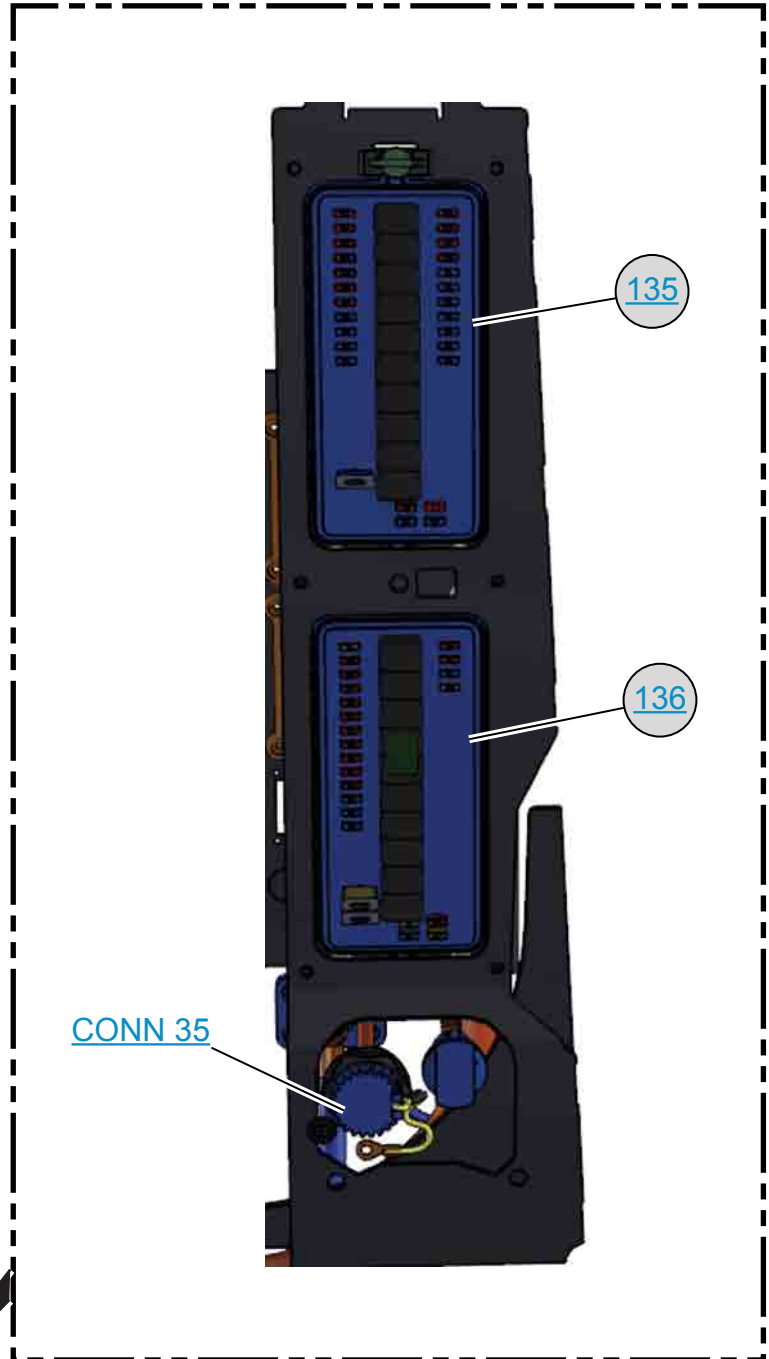
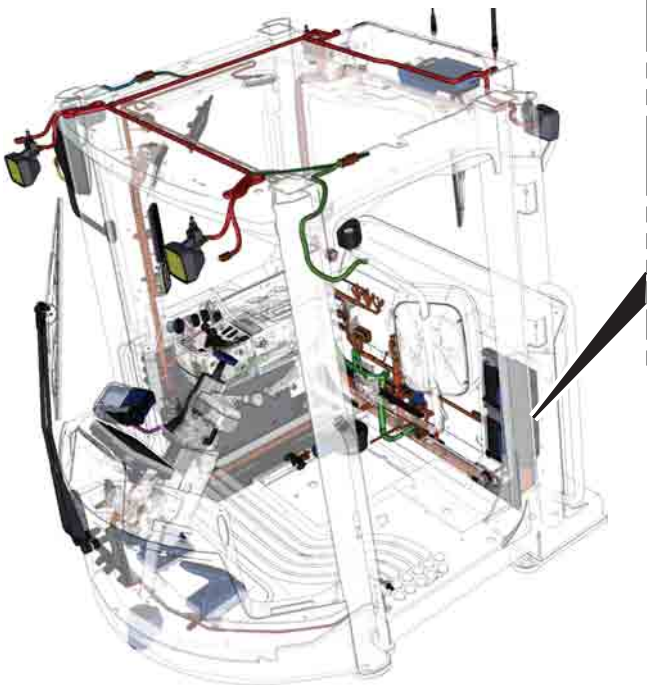
# TRANSMISSION

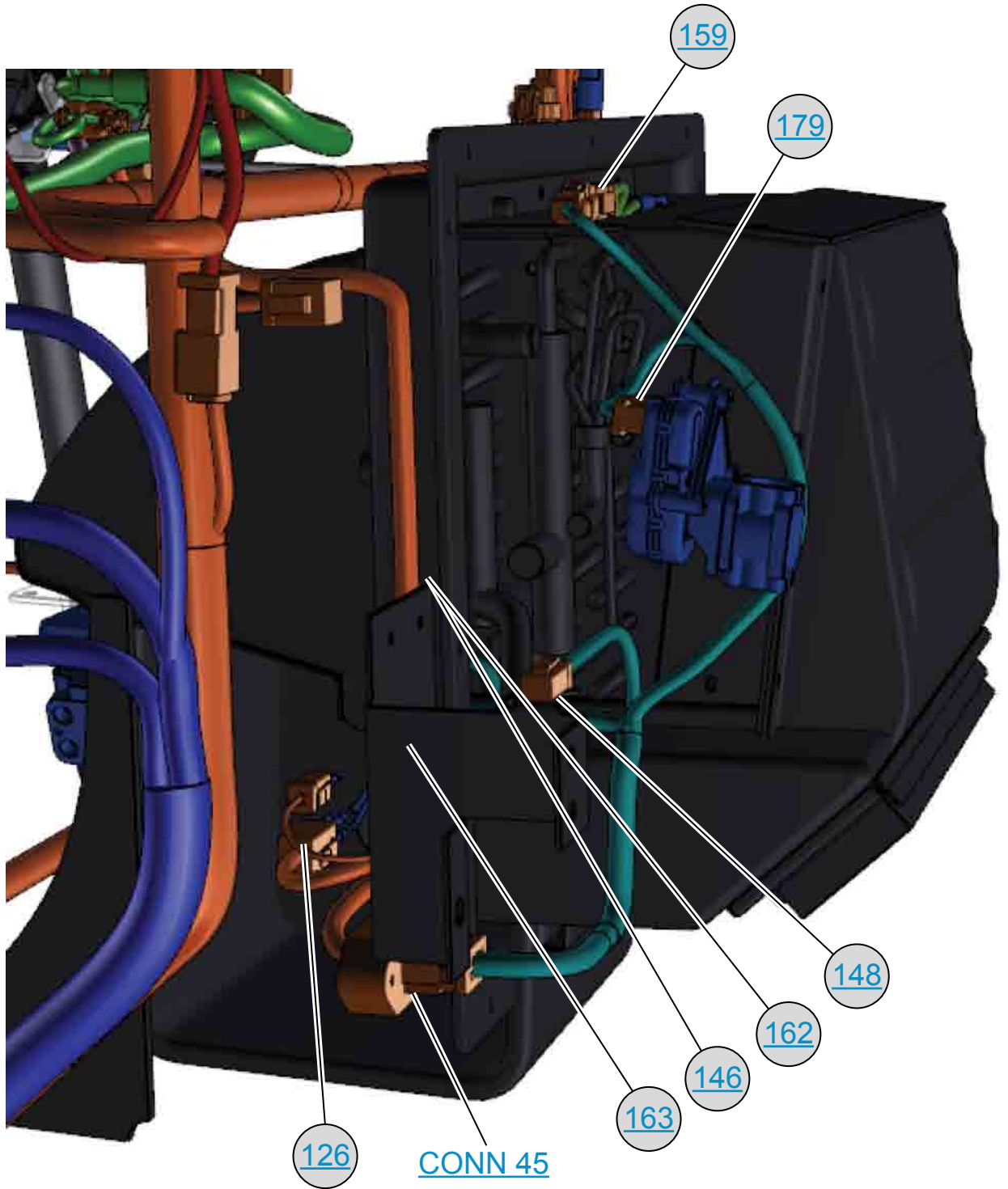


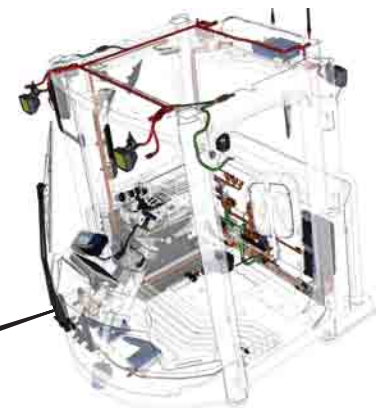
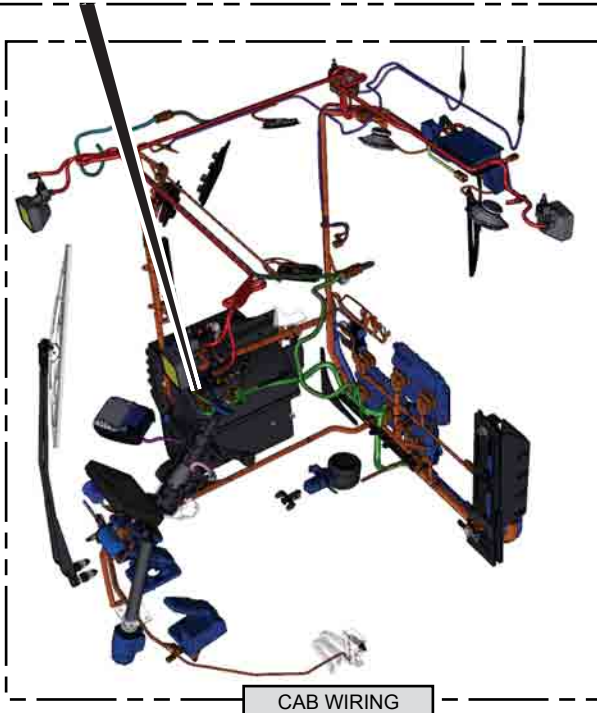
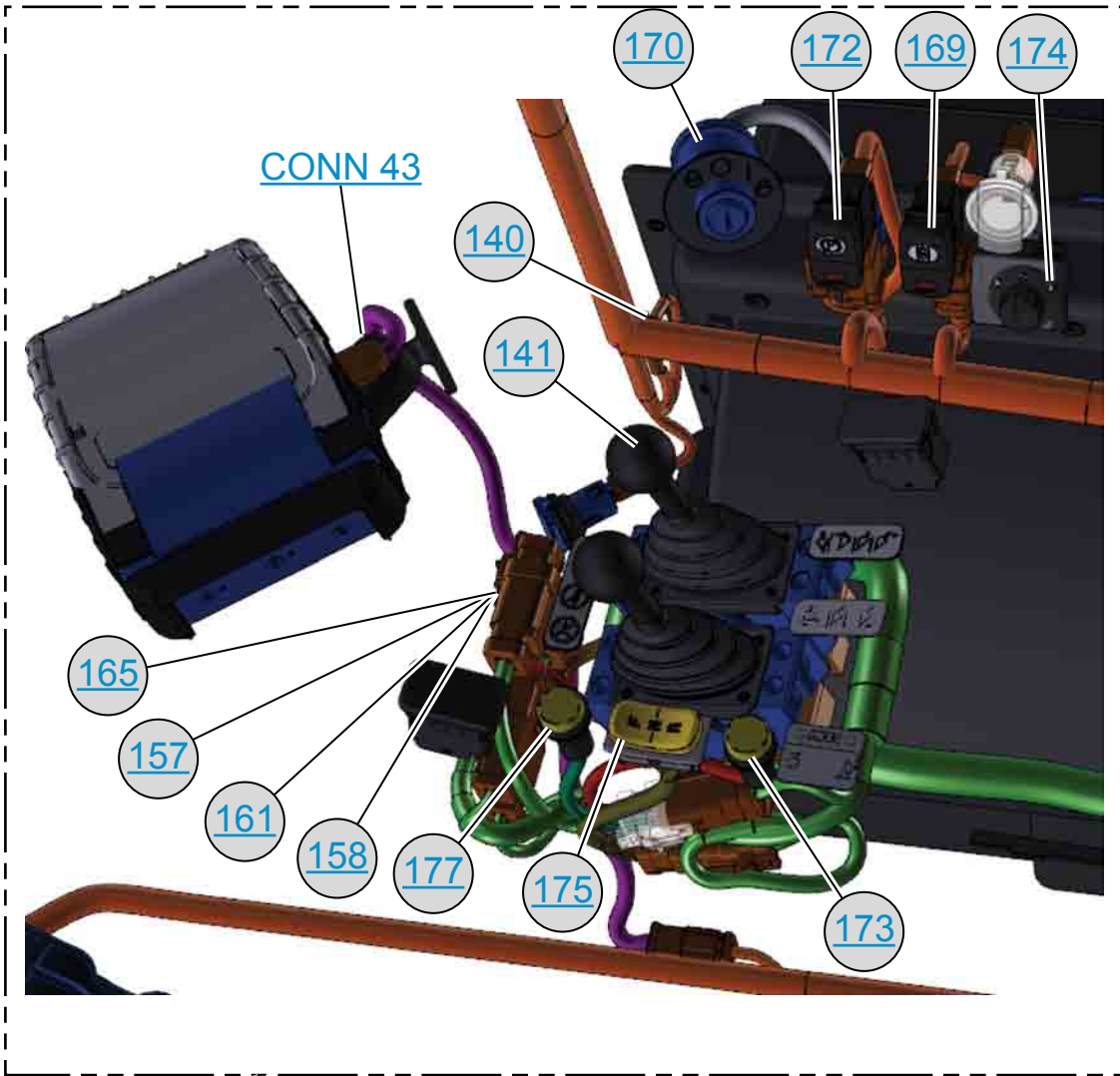
# CAB WIRING



# FUSE BLOCKS







# REAR CAB

