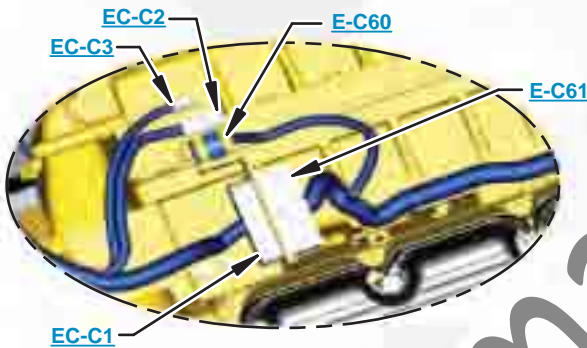


***This document is best viewed at a screen resolution of 1024 X 768.***

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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## **D8R Track-Type Tractor Electrical System**

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9EM7400-UP  
T5X1-UP

schematiccat.com

# COMPONENT LOCATION



| Component                   | Schematic Location   | Machine Location   | Component                                 | Schematic Location   | Machine Location   |
|-----------------------------|----------------------|--------------------|-------------------------------------------|----------------------|--------------------|
| Alarm - Action              | <a href="#">F-9</a>  | <a href="#">1</a>  | Sender - Hydraulic Temperature            | <a href="#">B-9</a>  | <a href="#">45</a> |
| Alarm - Backup              | <a href="#">F-10</a> | <a href="#">2</a>  | Sender - Powertrain Oil Temperature       | <a href="#">A-4</a>  | <a href="#">46</a> |
| Alternator                  | <a href="#">G-4</a>  | <a href="#">3</a>  | Sensor - Coolant Temperature              | <a href="#">G-4</a>  | <a href="#">47</a> |
| Battery (4)                 | <a href="#">J-10</a> | <a href="#">4</a>  | Solenoid - A/C Clutch                     | <a href="#">H-4</a>  | <a href="#">48</a> |
| Block - Fuse                | <a href="#">I-9</a>  | <a href="#">5</a>  | Solenoid - Diverter Valve                 | <a href="#">E-12</a> | <a href="#">49</a> |
| Block - Junction            | <a href="#">I-6</a>  | <a href="#">6</a>  | Solenoid - Dual Tilt                      | <a href="#">A-2</a>  | <a href="#">50</a> |
| Control - Product Link      | <a href="#">I-14</a> | <a href="#">7</a>  | Solenoid - Ripper Pin                     | <a href="#">F-13</a> | <a href="#">51</a> |
| Converter - 5A              | <a href="#">I-11</a> | <a href="#">8</a>  | Solenoid - Start Aid                      | <a href="#">H-4</a>  | <a href="#">52</a> |
| Fan                         | <a href="#">D-5</a>  | <a href="#">9</a>  | Suppressor - Arc #1                       | <a href="#">B-2</a>  | N/A                |
| Fuse - Blower (20A)         | <a href="#">I-9</a>  | <a href="#">10</a> | Suppressor - Arc #2                       | <a href="#">A-2</a>  | N/A                |
| Ground - Chassis            | <a href="#">F-4</a>  | <a href="#">11</a> | Suppressor - HVAC Arc                     | <a href="#">H-4</a>  | <a href="#">55</a> |
| Ground - Engine             | <a href="#">J-5</a>  | <a href="#">12</a> | Suppressor - Ripper Pin Puller Arc (A)    | <a href="#">F-13</a> | <a href="#">56</a> |
| Ground - Frame #1           | <a href="#">J-9</a>  | <a href="#">13</a> | Suppressor - Ripper Pin Puller Arc (B)    | <a href="#">F-13</a> | <a href="#">57</a> |
| Ground - Frame #2           | <a href="#">I-6</a>  | <a href="#">14</a> | Switch - A/C Pressure                     | <a href="#">G-4</a>  | <a href="#">58</a> |
| Ground - Frame #3           | <a href="#">J-5</a>  | <a href="#">15</a> | Switch - Backup Alarm                     | <a href="#">G-11</a> | <a href="#">59</a> |
| Ground - Headliner          | <a href="#">C-3</a>  | <a href="#">16</a> | Switch - Blower                           | <a href="#">F-1</a>  | <a href="#">60</a> |
| Ground - Platform #1        | <a href="#">G-7</a>  | <a href="#">17</a> | Switch - Coolant Temperature              | <a href="#">I-4</a>  | <a href="#">61</a> |
| Ground - Platform #2        | <a href="#">G-7</a>  | <a href="#">18</a> | Switch - Disconnect                       | <a href="#">J-9</a>  | <a href="#">62</a> |
| Ground - Platform #3        | <a href="#">G-7</a>  | <a href="#">19</a> | Switch - Diverter Valve                   | <a href="#">B-7</a>  | <a href="#">63</a> |
| Horn - Forward (High)       | <a href="#">I-2</a>  | <a href="#">20</a> | Switch - Engine Coolant Temperature       | <a href="#">I-4</a>  | <a href="#">64</a> |
| Horn - Forward (Low)        | <a href="#">I-2</a>  | <a href="#">21</a> | Switch - Engine Oil Pressure              | <a href="#">I-4</a>  | <a href="#">65</a> |
| Motor - Blower #1           | <a href="#">F-1</a>  | <a href="#">22</a> | Switch - Front Flood                      | <a href="#">C-7</a>  | <a href="#">66</a> |
| Motor - Blower #2           | <a href="#">F-1</a>  | <a href="#">23</a> | Switch - Fuel Pressure                    | <a href="#">J-4</a>  | <a href="#">67</a> |
| Motor - Condensor #1        | <a href="#">C-12</a> | <a href="#">24</a> | Switch - Horn (Forward)                   | <a href="#">B-7</a>  | <a href="#">68</a> |
| Motor - Condensor #2        | <a href="#">C-12</a> | <a href="#">25</a> | Switch - Hydraulic Oil Filter Pressure    | <a href="#">A-8</a>  | <a href="#">69</a> |
| Motor - Pre-lube Pump       | <a href="#">I-6</a>  | <a href="#">26</a> | Switch - Hydraulic Oil Filter Temperature | <a href="#">A-8</a>  | <a href="#">70</a> |
| Motor - Starter             | <a href="#">J-5</a>  | <a href="#">27</a> | Switch - Hydraulic Oil Temperature        | <a href="#">B-9</a>  | <a href="#">71</a> |
| Motor - Washer Pump (Front) | <a href="#">E-1</a>  | <a href="#">28</a> | Switch - Key                              | <a href="#">C-5</a>  | <a href="#">72</a> |
| Motor - Washer Pump (Left)  | <a href="#">E-1</a>  | <a href="#">29</a> | Switch - Neutral Start                    | <a href="#">G-11</a> | <a href="#">73</a> |
| Motor - Washer Pump (Rear)  | <a href="#">E-1</a>  | <a href="#">30</a> | Switch - Operator Mode                    | <a href="#">C-5</a>  | <a href="#">74</a> |
| Motor - Washer Pump (Right) | <a href="#">D-1</a>  | <a href="#">31</a> | Switch - Powertrain Filter Pressure       | <a href="#">A-8</a>  | <a href="#">75</a> |
| Motor - Wiper (Front)       | <a href="#">C-2</a>  | <a href="#">32</a> | Switch - Powertrain Oil                   | <a href="#">A-4</a>  | <a href="#">76</a> |
| Motor - Wiper (Left)        | <a href="#">D-2</a>  | <a href="#">33</a> | Switch - Powertrain Oil Temperature       | <a href="#">A-8</a>  | <a href="#">77</a> |
| Motor - Wiper (Rear)        | <a href="#">E-3</a>  | <a href="#">34</a> | Switch - Pre-lube Oil Pressure            | <a href="#">J-6</a>  | <a href="#">78</a> |
| Motor - Wiper (Right)       | <a href="#">D-2</a>  | <a href="#">35</a> | Switch - Rear Flood                       | <a href="#">C-5</a>  | <a href="#">79</a> |
| Outlet - 12V                | <a href="#">A-7</a>  | <a href="#">36</a> | Switch - Ripper Pin Puller                | <a href="#">B-7</a>  | <a href="#">80</a> |
| Radio - Product Link        | <a href="#">H-11</a> | <a href="#">37</a> | Switch - Start Aid                        | <a href="#">C-7</a>  | <a href="#">81</a> |
| Relay - Condensor           | <a href="#">C-11</a> | <a href="#">38</a> | Switch - Thermostat                       | <a href="#">E-1</a>  | <a href="#">82</a> |
| Relay - Cylinder Floods     | <a href="#">E-7</a>  | <a href="#">39</a> | Switch - Wiper (Front)                    | <a href="#">C-4</a>  | <a href="#">83</a> |
| Relay - Main                | <a href="#">I-11</a> | <a href="#">40</a> | Switch - Wiper (Left)                     | <a href="#">C-4</a>  | <a href="#">84</a> |
| Relay - Pre-lube            | <a href="#">J-7</a>  | <a href="#">41</a> | Switch - Wiper (Rear)                     | <a href="#">E-4</a>  | <a href="#">85</a> |
| Relay - Start               | <a href="#">I-11</a> | <a href="#">42</a> | Switch - Wiper (Right)                    | <a href="#">D-4</a>  | <a href="#">86</a> |
| Resistor - Blower           | <a href="#">F-1</a>  | <a href="#">43</a> | Throttle - Dual Tilt Switch               | <a href="#">B-7</a>  | <a href="#">87</a> |
| Sender - Fuel Level         | <a href="#">E-12</a> | <a href="#">44</a> | Timer - Pre-lube                          | <a href="#">J-6</a>  | <a href="#">88</a> |

# CONNECTOR LOCATION



| Connector Number                             | Schematic Location               |
|----------------------------------------------|----------------------------------|
| <a href="#">CONN 1</a>                       | <a href="#">D-12, C-13</a>       |
| <a href="#">CONN 2</a>                       | <a href="#">E-12, D-13, C-13</a> |
| <a href="#">CONN 3</a>                       | <a href="#">F-12</a>             |
| <a href="#">CONN 4</a>                       | <a href="#">H-10, H-12</a>       |
| <a href="#">CONN 5</a>                       | <a href="#">H-10, H-12</a>       |
| <a href="#">CONN 6</a> Service Connector     | <a href="#">H-12</a>             |
| <a href="#">CONN 7</a>                       | <a href="#">A-10</a>             |
| <a href="#">CONN 8</a>                       | <a href="#">C-10</a>             |
| <a href="#">CONN 9</a>                       | <a href="#">C-10</a>             |
| <a href="#">CONN 10</a>                      | <a href="#">E-10</a>             |
| <a href="#">CONN 11</a>                      | <a href="#">G-10</a>             |
| <a href="#">CONN 12</a> RS232 Port           | <a href="#">G-10</a>             |
| <a href="#">CONN 13</a>                      | <a href="#">H-11</a>             |
| <a href="#">CONN 14</a>                      | <a href="#">H-11</a>             |
| <a href="#">CONN 15</a> Auxiliary Connectors | <a href="#">A-7</a>              |
| <a href="#">CONN 16</a>                      | <a href="#">A-7</a>              |
| <a href="#">CONN 17</a>                      | <a href="#">B-7</a>              |
| <a href="#">CONN 18</a>                      | <a href="#">D-7</a>              |
| <a href="#">CONN 19</a>                      | <a href="#">G-6</a>              |
| <a href="#">CONN 20</a>                      | <a href="#">H-6</a>              |
| <a href="#">CONN 21</a>                      | <a href="#">H-7</a>              |
| <a href="#">CONN 22</a>                      | <a href="#">J-8</a>              |
| <a href="#">CONN 23</a>                      | <a href="#">A-6</a>              |
| <a href="#">CONN 24</a>                      | <a href="#">E-5</a>              |
| <a href="#">CONN 25</a>                      | <a href="#">E-5</a>              |
| <a href="#">CONN 26</a>                      | <a href="#">A-4</a>              |
| <a href="#">CONN 27</a>                      | <a href="#">C-2</a>              |
| <a href="#">CONN 28</a>                      | <a href="#">D-3</a>              |
| <a href="#">CONN 29</a>                      | <a href="#">D-3</a>              |
| <a href="#">CONN 30</a>                      | <a href="#">E-2</a>              |
| <a href="#">CONN 31</a>                      | <a href="#">F-4</a>              |
| <a href="#">CONN 32</a>                      | <a href="#">H-2</a>              |
| <a href="#">CONN 33</a>                      | <a href="#">H-2</a>              |
| <a href="#">CONN 34</a>                      | <a href="#">H-4</a>              |

The connectors shown in this chart are for harness to harness connectors. Connectors that join a harness to a component are generally located at or near the component. See the Component Location Chart.

## Resistor, Sender, and Solenoid Specifications

| Part No. | Component Description               | Resistance (Ohms) <sup>1</sup>  |
|----------|-------------------------------------|---------------------------------|
| 9G-1950  | Resistor: Blower Motor Speed        | Overall 2.0 ± .1; Tap 1.0 ± .05 |
| 3E-9205  | Solenoid: Dual Tilt                 | 24.9 ± 0.4                      |
| 3E-1906  | Solenoid: A/C Clutch                | 17.6 ± 0.6                      |
| 3E-8575  | Solenoid: Ripper Pin Puller         | 24.9 ± 0.4                      |
| 8N-3844  | Sender: Power Train Oil Temperature | 312                             |
| 3E-6332  | Solenoid: Start Aid                 | 6                               |

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

## Related Electrical Service Manuals

| Title                                     | Form Number |
|-------------------------------------------|-------------|
| Cross Reference for Electrical Connectors | REHS0970    |
| Alternator: 3E-7577                       | REN1252     |
| Starting Motor: 4N-1061                   | SENR3460    |

## Off-Machine Switch Specification

| Part No. | Function                    | Actuate                                         | Deactuate                     | Contact Position           |
|----------|-----------------------------|-------------------------------------------------|-------------------------------|----------------------------|
| 3T-5825  | Power Train Oil Temperature | 129.4 ± 2.8°C<br>(265.0 ± 5.0°F)                | 118.3°C<br>(245.0°F)          | Normally Closed            |
| 174-4058 | Engine Oil Pressure         | 79 kPa MAX<br>(11 psi)                          | 24 kPa MIN<br>(3.5 psi)       | Normally Open              |
| 203-3222 | Engine Coolant Temperature  | 107 ± 3°C<br>(224.0 ± 41.0°F)                   | 90.0°C MIN<br>(194.0°F MIN)   | Normally Closed            |
| 105-9152 | Prelube Oil Pressure        | 30 ± 7 kPa<br>(4.3 ± 1.0 psi)                   | 30 ± 7 kPa<br>(4.3 ± 1.0 psi) | Normally Closed            |
| 355-3148 | A/C Pressure                | 275 to 1750 kPa <sup>1</sup><br>(40 to 255 psi) | –                             | Normally Open <sup>2</sup> |

<sup>1</sup> With increasing pressure the closed condition can be maintained up to 2800 kPa (405 psi), with decreasing pressure the closed condition can be maintained down to 170 kPa (25 psi).

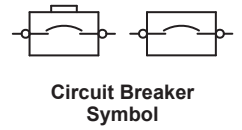
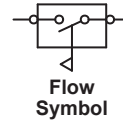
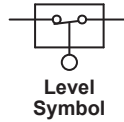
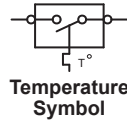
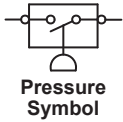
<sup>2</sup> Contact position at the contacts of the harness connector.

# HARNESS and WIRE

## Electrical Schematic Symbols



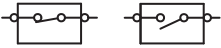
### Symbols



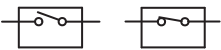
### Symbols and Definitions



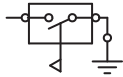
**Fuse:** A component in an electrical circuit that will open the circuit if too much current flows through it.



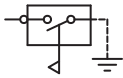
**Switch (Normally Open):** A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has screw terminals and a wire can be disconnected from it.



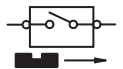
**Switch (Normally Closed):** A switch that will open at a specified point (temp, press, etc.). No circle indicates that the wire cannot be disconnected from the component.



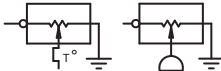
**Ground (Wired):** This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.



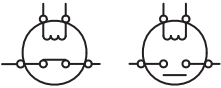
**Ground (Case):** This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.



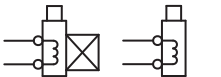
**Reed Switch:** A switch whose contacts are controlled by a magnet. A magnet closes the contacts of a normally open reed switch; it opens the contacts of a normally closed reed switch.



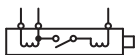
**Sender:** A component that is used with a temperature or pressure gauge. The sender measures the temperature or pressure. Its resistance changes to give an indication to the gauge of the temperature or pressure.



**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.



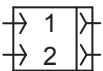
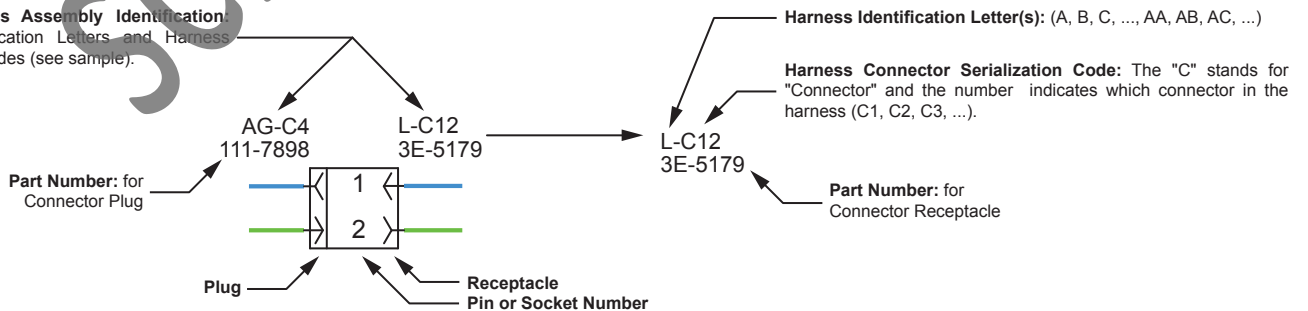
**Solenoid:** A solenoid is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close a valve or move a piece of metal that can do work.



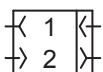
**Magnetic Latch Solenoid:** A magnetic latch solenoid is an electrical component that is activated by electricity and held latched by a permanent magnet. It has two coils (latch and unlatch) that make electromagnet when current flows through them. It also has an internal switch that places the latch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

### Harness and Wire Symbols

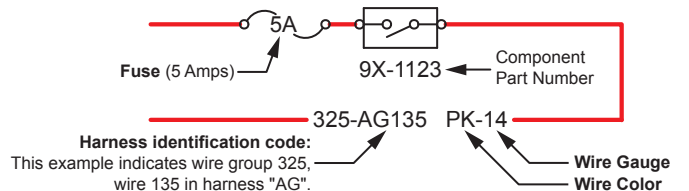
**Wire, Cable, or Harness Assembly Identification:** Includes Harness Identification Letters and Harness Connector Serialization Codes (see sample).

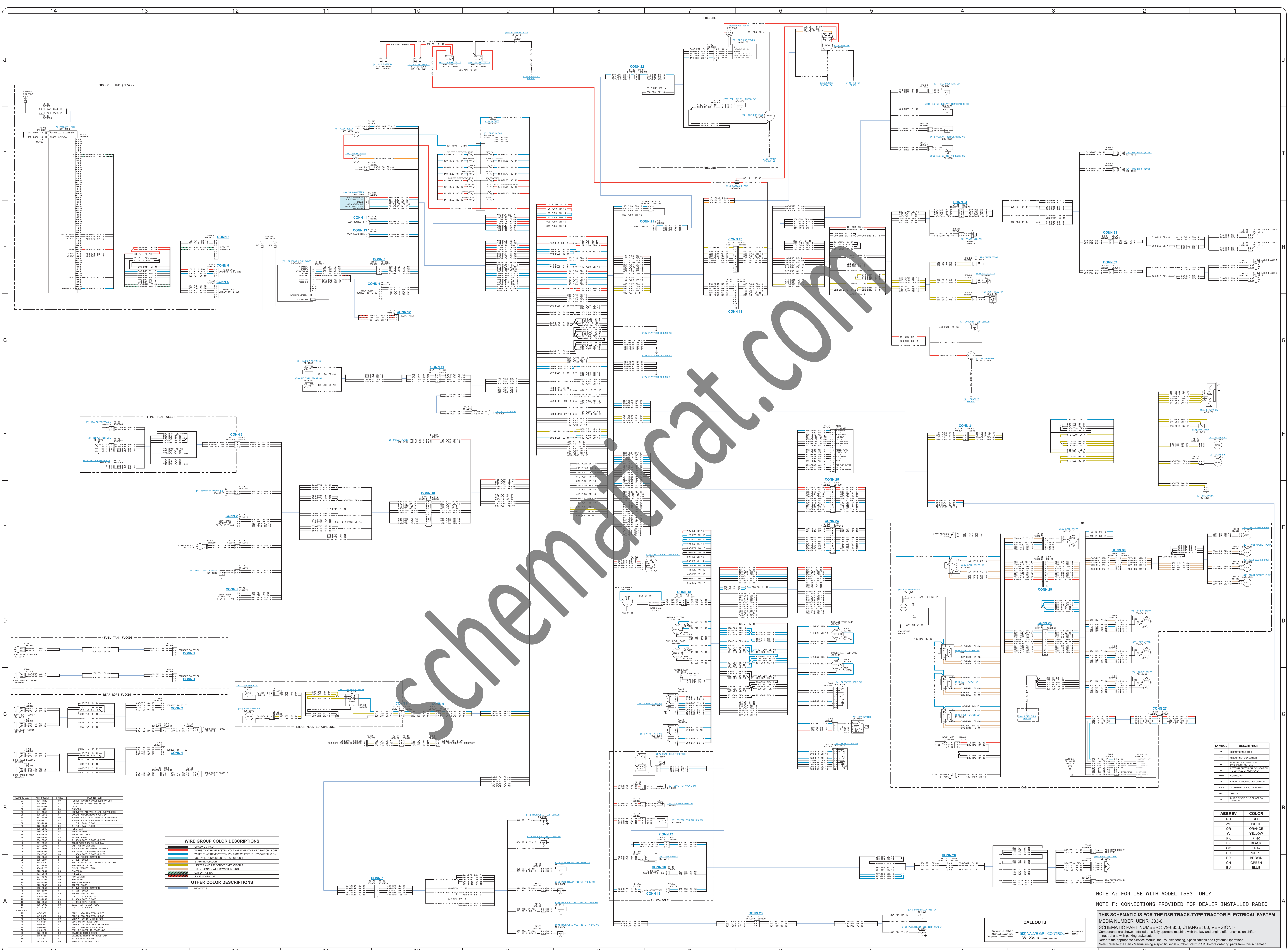


**Deutsch connector:** Typical representation of a Deutsch connector. The plug contains all sockets and the receptacle contains all pins.



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





| WIRE GROUP | WIRE NUMBER | COLOR | DESCRIPTION                     |
|------------|-------------|-------|---------------------------------|
| W1         | W10         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W12         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W13         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W14         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W15         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W16         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W17         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W18         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W19         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W20         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W21         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W22         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W23         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W24         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W25         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W26         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W27         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W28         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W29         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W30         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W31         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W32         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W33         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W34         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W35         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W36         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W37         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W38         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W39         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W40         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W41         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W42         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W43         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W44         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W45         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W46         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W47         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W48         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W49         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W50         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W51         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W52         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W53         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W54         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W55         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W56         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W57         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W58         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W59         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W60         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W61         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W62         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W63         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W64         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W65         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W66         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W67         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W68         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W69         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W70         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W71         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W72         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W73         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W74         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W75         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W76         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W77         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W78         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W79         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W80         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W81         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W82         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W83         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W84         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W85         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W86         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W87         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W88         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W89         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W90         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W91         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W92         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W93         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W94         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W95         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W96         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W97         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W98         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W99         | RD    | FENDER MOUNTED CONDENSER WIRING |
| W1         | W100        | RD    | FENDER MOUNTED CONDENSER WIRING |

| WIRE GROUP COLOR DESCRIPTIONS |                                                           |
|-------------------------------|-----------------------------------------------------------|
| (Red line)                    | GROUND CIRCUIT                                            |
| (Green line)                  | WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS OFF |
| (Blue line)                   | WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON  |
| (Black line)                  | WIRE INSULATION / WIRE COLOR                              |
| (Yellow line)                 | STARTING CIRCUIT                                          |
| (Red/Black line)              | WIRE NUMBER CIRCUIT                                       |
| (Black/Red line)              | WIRE NUMBER CIRCUIT                                       |
| (Black/Blue line)             | WIRE NUMBER CIRCUIT                                       |
| (Black/Orange line)           | WIRE NUMBER CIRCUIT                                       |
| (Black/Purple line)           | WIRE NUMBER CIRCUIT                                       |
| (Black/Brown line)            | WIRE NUMBER CIRCUIT                                       |
| (Black/White line)            | WIRE NUMBER CIRCUIT                                       |
| (Black/Gray line)             | WIRE NUMBER CIRCUIT                                       |
| (Black/Light Blue line)       | WIRE NUMBER CIRCUIT                                       |

| OTHER COLOR DESCRIPTIONS |        |
|--------------------------|--------|
| (Dashed line)            | SPACED |
| (Dotted line)            | SPACED |
| (Solid line)             | SPACED |

| SYMBOL                                | DESCRIPTION                             |
|---------------------------------------|-----------------------------------------|
| (Circle with dot)                     | GROUND TERMINAL                         |
| (Circle with cross)                   | GROUP NOT CONNECTED                     |
| (Square with dot)                     | ELECTRICAL CONNECTION TO GROUP/TERMINAL |
| (Square with cross)                   | GROUP NOT CONNECTED TO GROUP/TERMINAL   |
| (Square with diagonal line)           | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and dot)   | CONNECTION TO COMPONENT                 |
| (Square with diagonal line and cross) | CONNECTION TO COMPONENT                 |

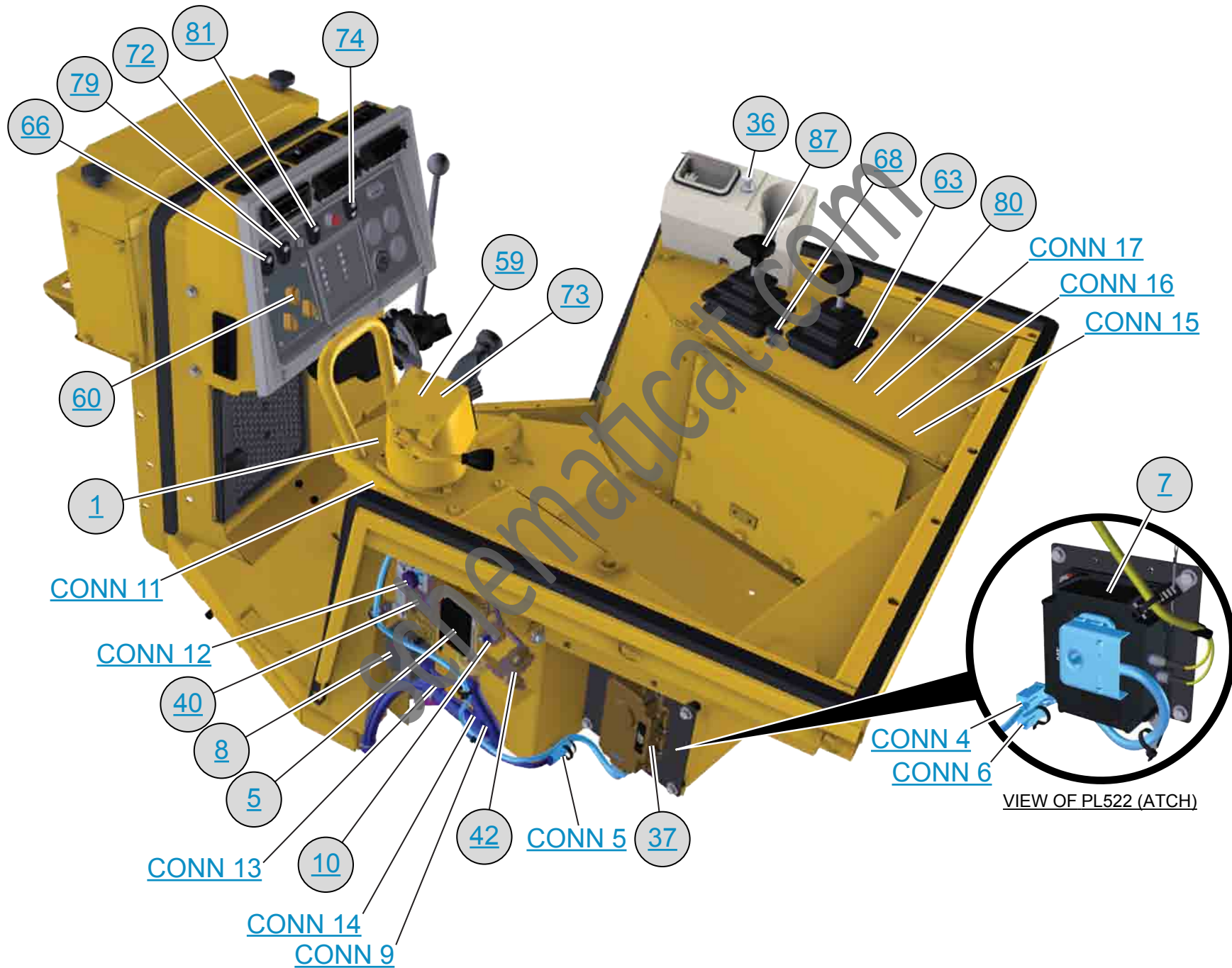
| ABBREV | COLOR  |
|--------|--------|
| RD     | RED    |
| WH     | WHITE  |
| OR     | ORANGE |
| YL     | YELLOW |
| PK     | PINK   |
| BL     | BLACK  |
| GY     | GRAY   |
| PU     | PURPLE |
| BR     | BROWN  |
| GN     | GREEN  |
| BLU    | BLUE   |

NOTE A: FOR USE WITH MODEL T553 - ONLY  
 NOTE B: CONNECTIONS PROVIDED FOR DEALER INSTALLED RADIO

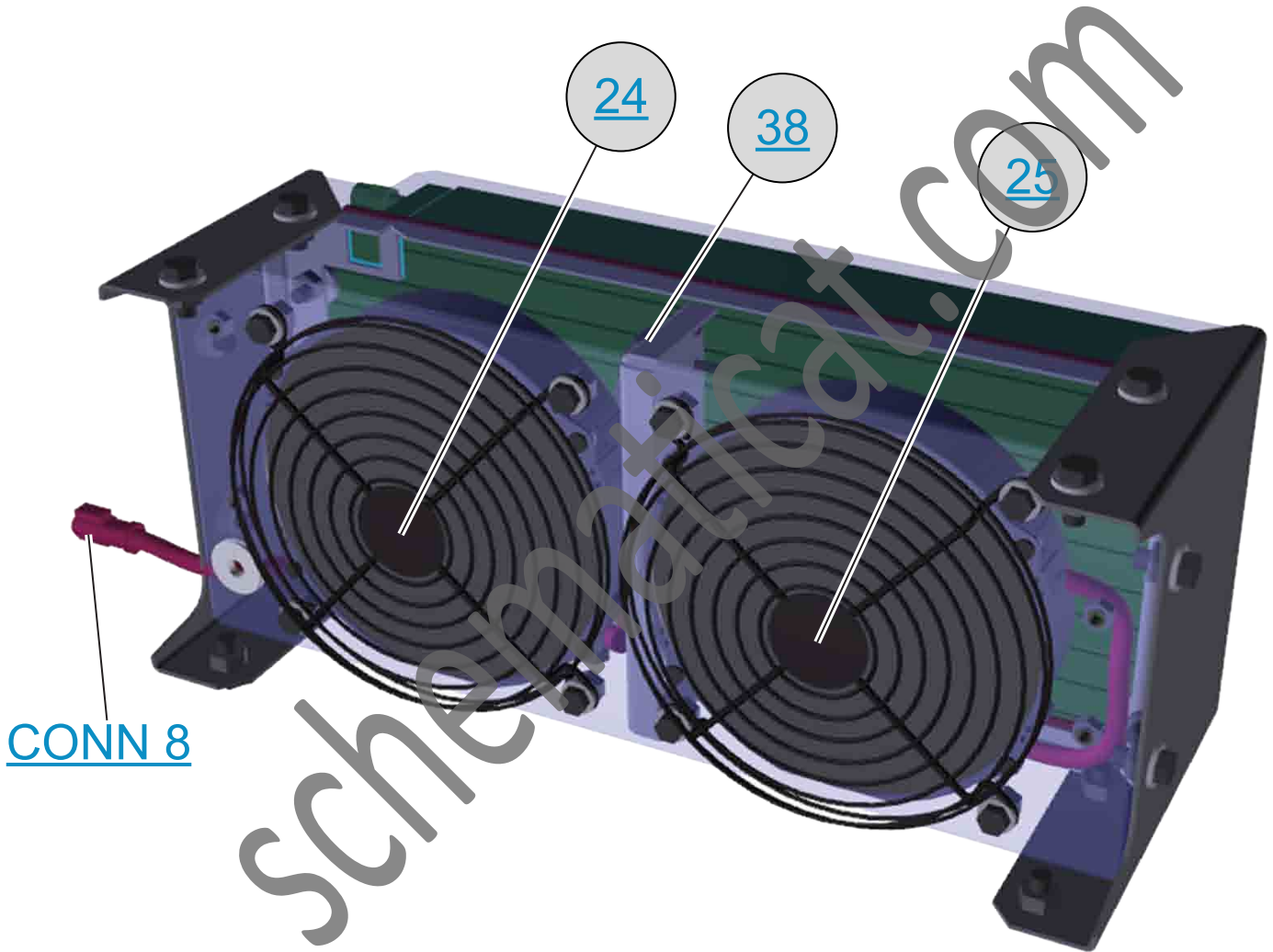
CALLOUTS  
 Callout Number: 138-1234 - Fuel Valve Control

THIS SCHEMATIC IS FOR THE D8R TRACK-TYPE TRACTOR ELECTRICAL SYSTEM  
 MEDIA NUMBER: UENR1383-01  
 SCHEMATIC PART NUMBER: 379-8833, CHANGE: 00, VERSION: -  
 Components are shown installed on a fully operate machine with the key and engine off, transmission shift in neutral and with parking brake set.  
 Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.  
 Note: Refer to the Parts Manual using a specific serial number prefix in SIS before creating parts from this schematic.

# CAB WIRING (LEFT, REAR VIEW)





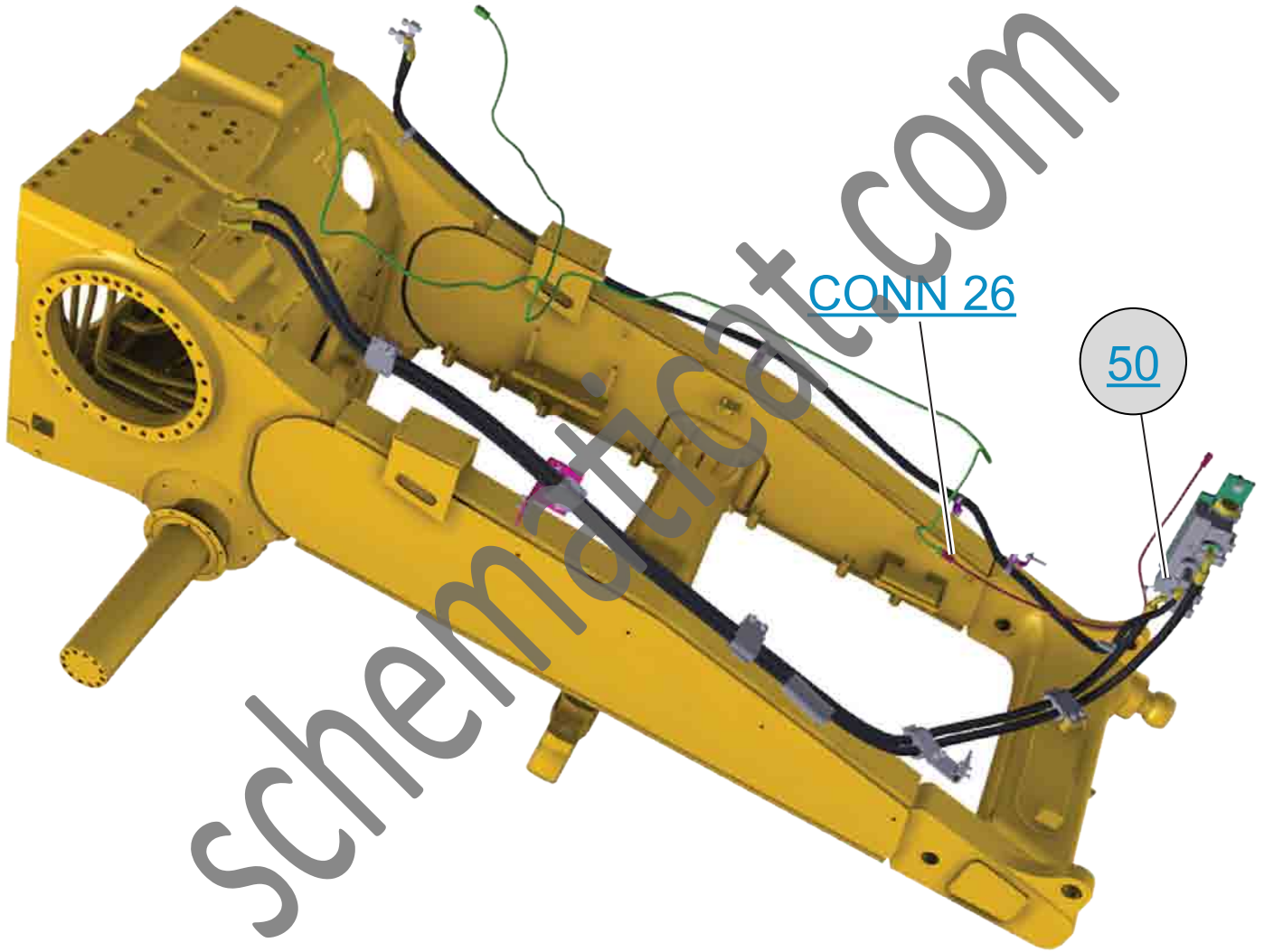


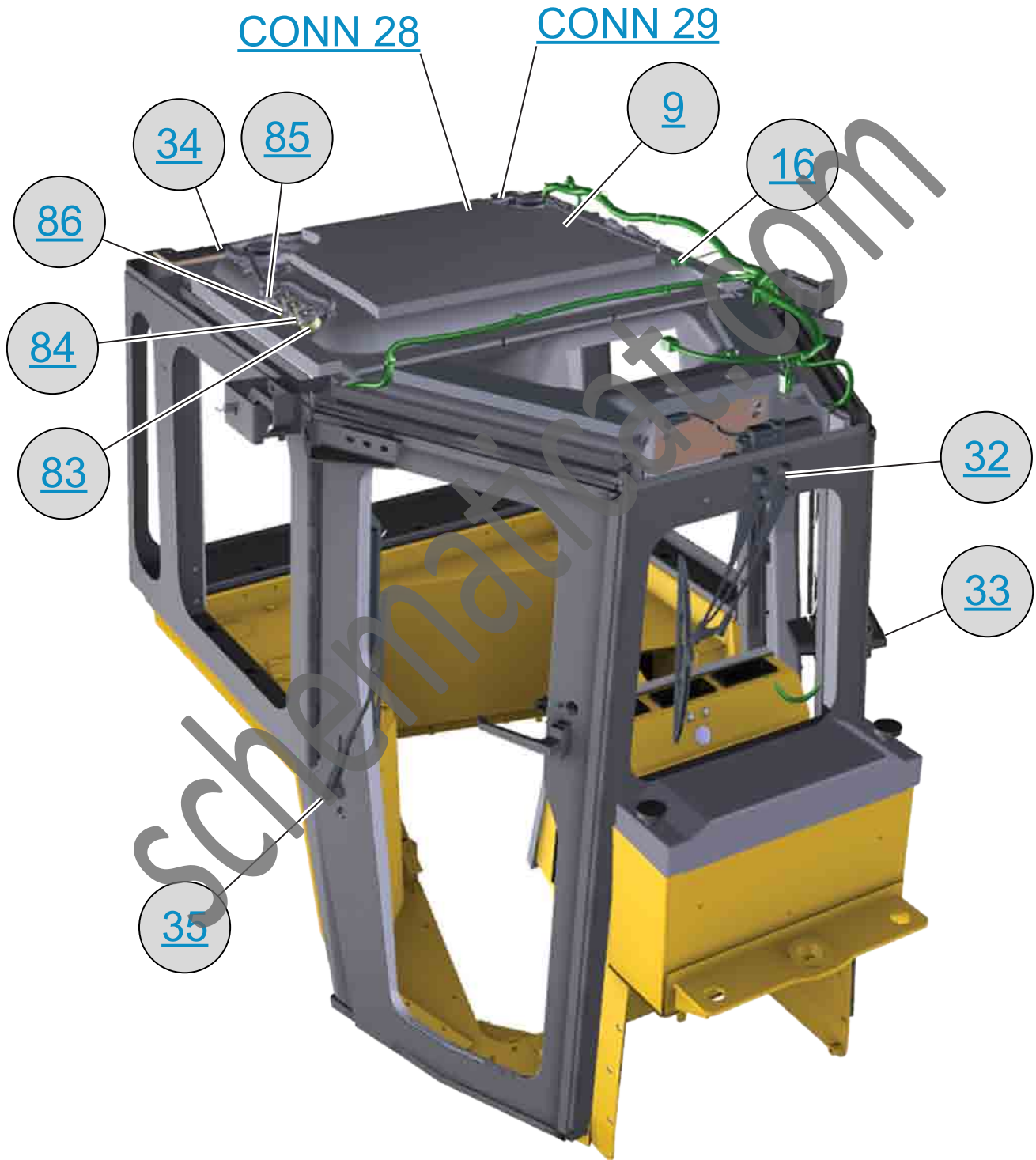
# DASH WIRING (FRONT VIEW)



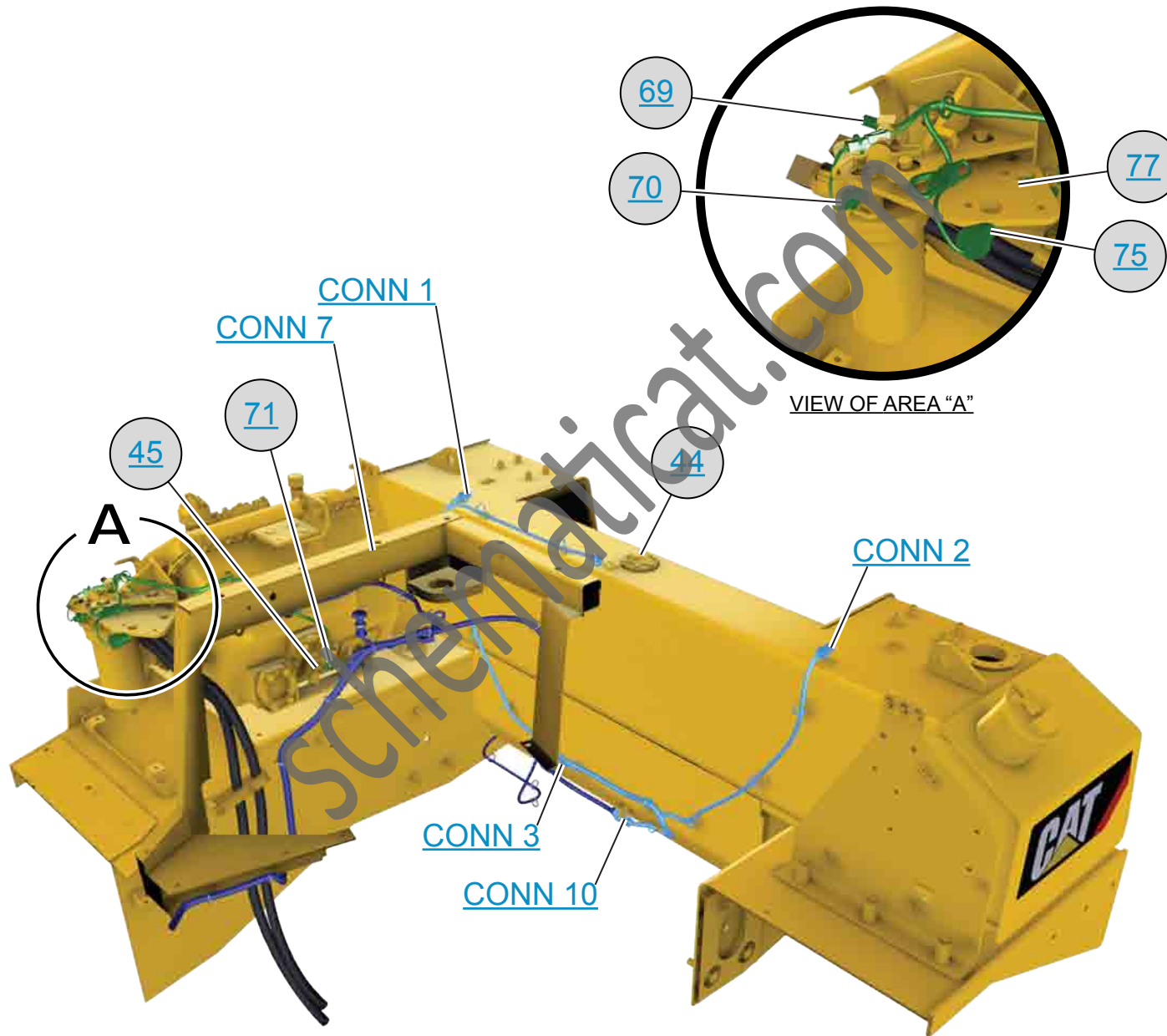
\* HVAC REMOVED FOR CLARITY



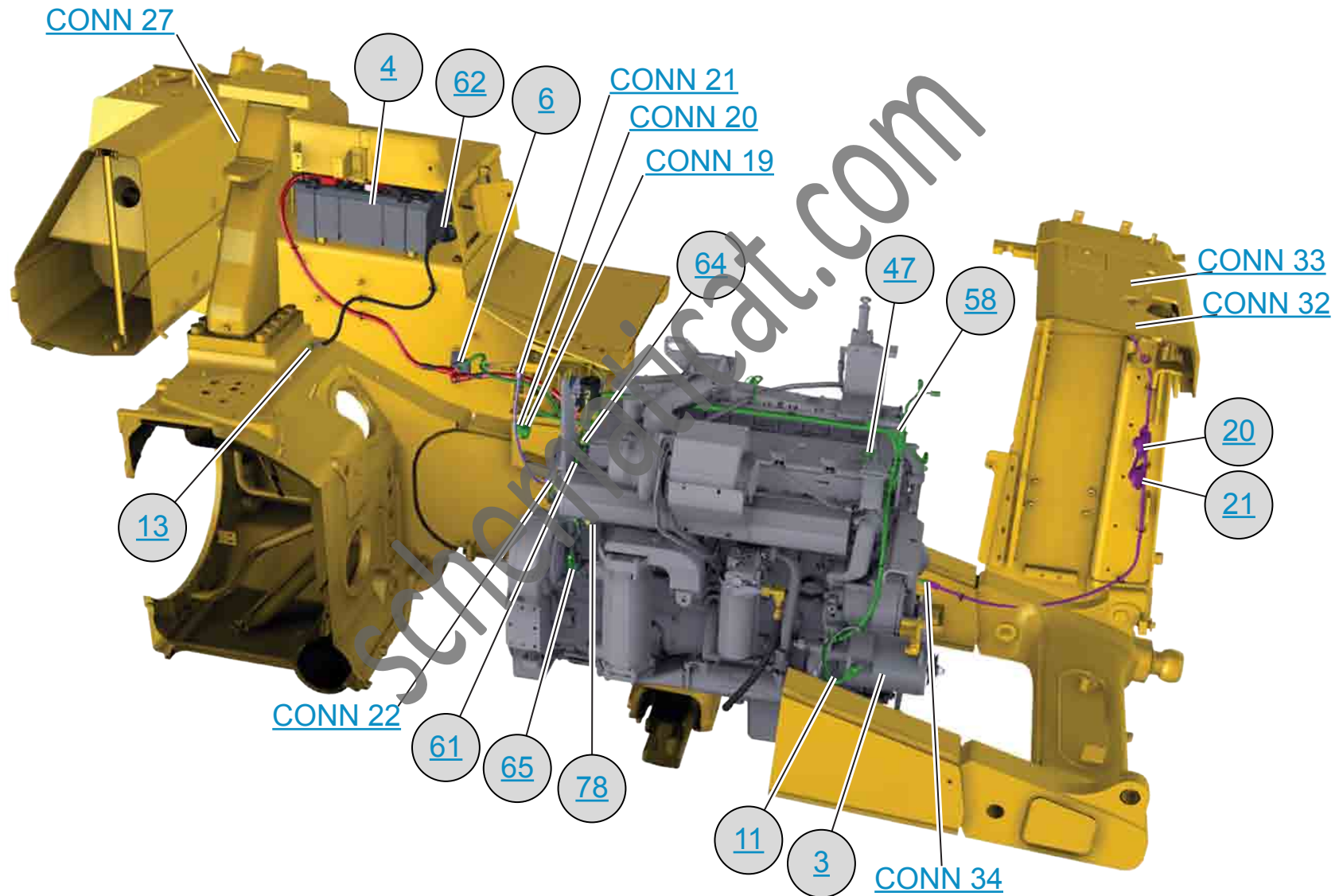




# HYDRAULIC AND FUEL TANK WIRING



# LEFT CHASSIS AND ENGINE WIRING



# RIGHT CHASSIS AND ENGINE WIRING

