

Related Electrical Service Manuals	
Title	Form Number
Systems Operation Troubleshooting Testing and Adjusting:	KENR8667
Special Instruction:	REHS4474
D10T Track-Type Tractor Electrical System:	REN8164
D11T Track-Type Tractor Electrical System:	REN8179

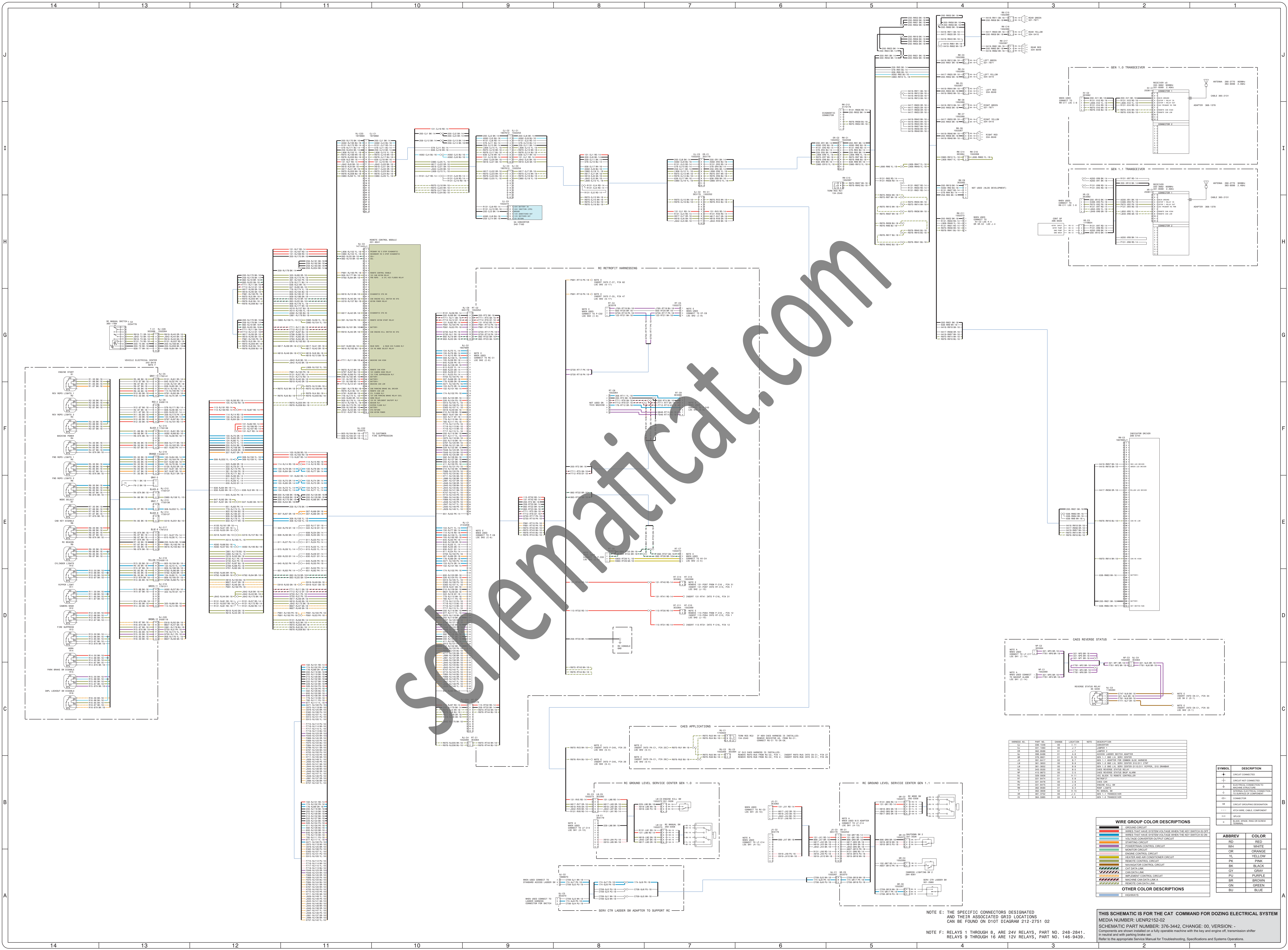
Schematic

D10T Track-Type Tractor D11T Track-Type Tractor CAT® Command For Dozing Electrical System

D10T: GEB1-UP
RJG1-UP
D11T: TPB1-UP

SchematicCat.com

Harness And Wire Electrical Schematic Symbols				
Symbols				
Symbols and Definitions				
<p>Fuse: A component in an electrical circuit that will open the circuit if too much current flows through it.</p> <p>Switch (Normally Open): A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has some terminals and a wire can be disconnected from it.</p> <p>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.</p> <p>Ground (Wired): This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.</p> <p>Ground (Case): This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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 coil open or close a valve or move a piece of metal that can do work.</p> <p>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 electromagnets when current flows through them. It also has an internal switch that places the latch coil circuit open at the time the coil latches.</p>				
Harness and Wire Symbols				
<p>Wires, Cable, or Harness Assembly Identification: Includes Harness Identifier Letters and Harness Connector Designation Codes (see example).</p> <p>Part Number for Connector Plug: AG-C4 111-7899</p> <p>Part Number for Connector Receptacle: LC-12 3E-5179</p> <p>Pin or Socket Number: 1, 2</p> <p>Deutch connector: Typical representation of a Deutch connector. The plug contains all sockets and the receptacle contains all pins.</p> <p>Wire Color: 325-AG135 PK14</p> <p>Wire Group: 105 in harness 322</p>				



NOTE E: THE SPECIFIC CONNECTORS DESIGNATED AND THEIR ASSOCIATED GRID LOCATIONS CAN BE FOUND ON D10T DIAGRAM 212-2751 02

NOTE F: RELAYS 1 THROUGH 8, ARE 24V RELAYS, PART NO. 248-2841. RELAYS 9 THROUGH 16 ARE 12V RELAYS, PART NO. 146-9439.

THIS SCHEMATIC IS FOR THE CAT COMMAND FOR DOZING ELECTRICAL SYSTEM
MEDIA NUMBER: UENR2152-02
SCHEMATIC PART NUMBER: 376-3442, CHANGE: 00, VERSION: -
Components are shown installed on a fully operational machine with the key and engine off, transmission shifter in neutral and with parking brake set.
Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operation.