

# Schematic

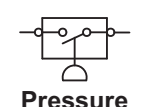
## D11T Track-Type Tractor CAT® Command For Dozing Electrical System

AMA1-UP  
MDG1-UP  
JEL1-UP  
JNS1-UP

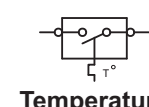
SchematicCat.com

### Harness And Wire Electrical Schematic Symbols

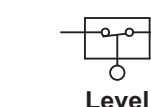
**Symbols**




Pressure Symbol



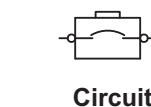
Temperature Symbol



Level Symbol



Flow Symbol



Circuit Breaker Symbol

#### 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

Wires, Cable, or Harness Assembly Identification Includes: Harness Identification Letters and Harness Connector Serialisation Codes (see sample).

Part Number for Connector Plug: 111-7298

Part Number for Connector Receptacle: 3E-6173

Plug or Socket Number: 1, 2

Deutch connector: Typical representation of a Deutch 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 Letter(s): (A, B, C, ..., AL, AB, AC, ...)

Harness Connector Serialisation Code: The "C" stands for "Connector" and the number indicates which connector in the harness (C1, C2, C3, ...).

Part Number for Connector Receptacle: 3E-6173

Fuse (5 Amps): 9X-1123

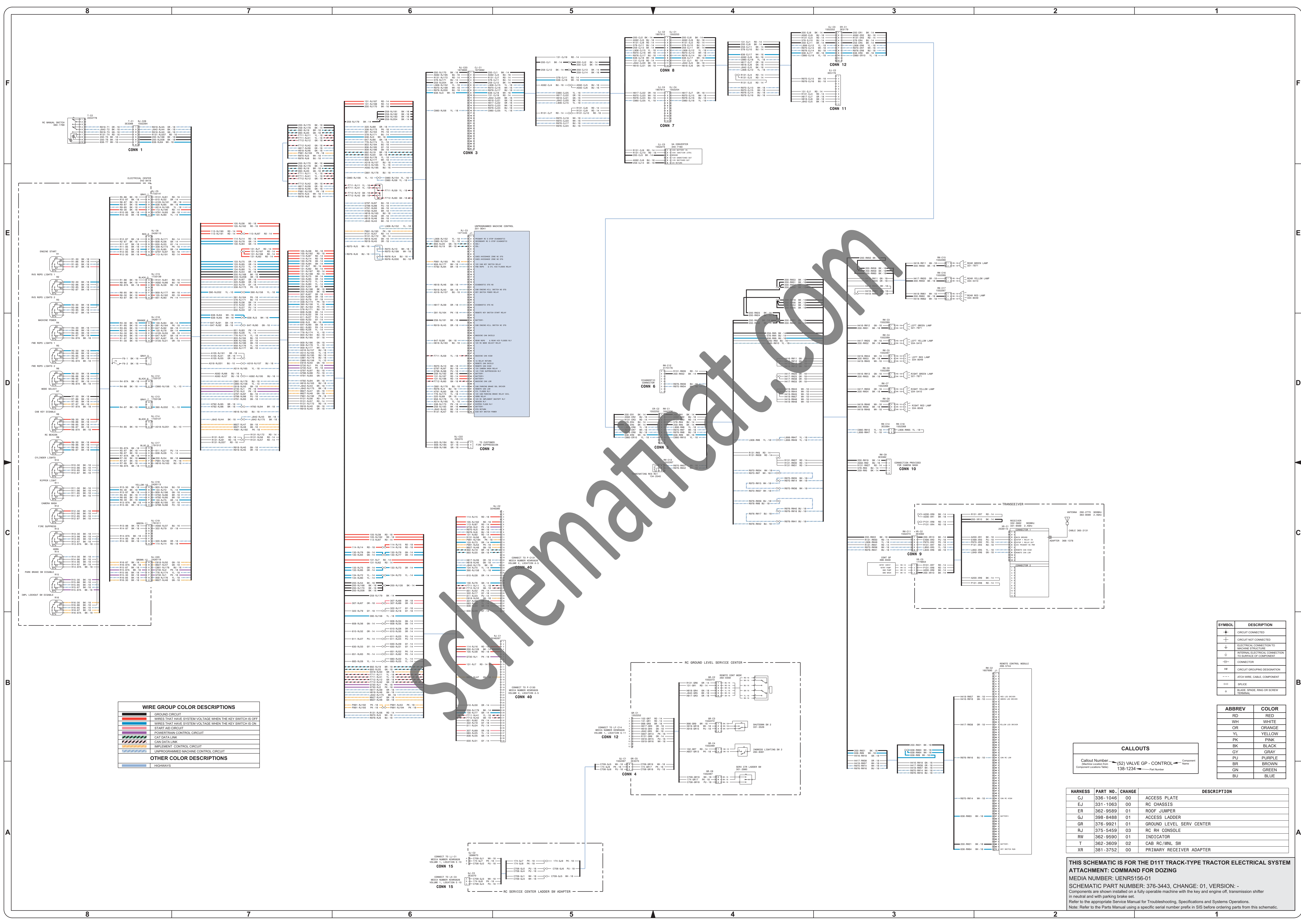
Component Part Number: 325-AG135

PK-14

Wire Gauge: 18

Wire Color: Yellow





**WIRE GROUP COLOR DESCRIPTIONS**

[Red line]	GROUND CIRCUIT
[Black 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
[Green line]	START AD CIRCUIT
[Yellow line]	POWERTRAIN CONTROL CIRCUIT
[Orange line]	CAN DATA LINK
[Purple line]	CAN DATA LINK
[Pink line]	INTERMEDIATE CONTROL CIRCUIT
[Brown line]	UNPROGRAMMED MACHINE CONTROL CIRCUIT

**OTHER COLOR DESCRIPTIONS**

[Dashed line]	HOUSINGS
---------------	----------

**SYMBOL DESCRIPTION**

[Circuit symbol]	CIRCUIT CONNECTED
[Circuit symbol]	CIRCUIT NOT CONNECTED
[Circuit symbol]	ELECTRICAL CONNECTION TO MACHINE STRUCTURE
[Circuit symbol]	INTERNAL ELECTRICAL CONNECTION TO SURFACE OF COMPONENT
[Circuit symbol]	CONNECTOR
[Circuit symbol]	CIRCUIT GROUPING DESIGNATION
[Circuit symbol]	ATTACH WIRE, CABLE, COMPONENT
[Circuit symbol]	BRIDGE
[Circuit symbol]	BLADE, SHADE, RING OR SCREW TERMINAL

**ABBREV COLOR**

RD	RED
WH	WHITE
OR	ORANGE
YL	YELLOW
PK	PINK
BLK	BLACK
GY	GRAY
PJ	PURPLE
BR	BROWN
GN	GREEN
BLU	BLUE

**CALLOUTS**

Callout Number: (52) VALVE GP - CONTROL  
 Component Name: 138-1234  
 Part Number: [ ]

**HARNESS PART NO. CHANGE DESCRIPTION**

CJ	336-1046	00	ACCESS PLATE
EJ	331-1063	00	RC CHASSIS
ER	362-9589	01	ROOF JUMPER
GJ	398-8488	01	ACCESS LADDER
GR	376-9921	01	GROUND LEVEL SERV CENTER
RJ	375-5459	03	RC RH CONSOLE
RW	362-9590	01	INDICATOR
T	362-3609	02	CAB RC/MNL SW
XR	381-3752	00	PRIMARY RECEIVER ADAPTER

**THIS SCHEMATIC IS FOR THE D11T TRACK-TYPE TRACTOR ELECTRICAL SYSTEM ATTACHMENT: COMMAND FOR DOZING**  
 MEDIA NUMBER: UENR5156-01  
 SCHEMATIC PART NUMBER: 376-3443, 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.  
 Note: Refer to the Parts Manual using a specific serial number prefix in SIS before ordering parts from this schematic.