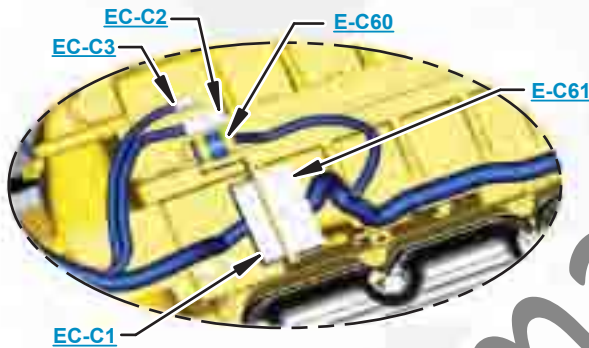


This document is best viewed at a screen resolution of 1024 X 768.

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

950K and 962K Wheel Loader Electrical System

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

COMPONENT LOCATION

Volume 1 of 2 - CHASSIS AND ENGINE WIRING



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

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

Machine locations are repeated for components located close together.

CONNECTOR LOCATION

Volume 1 of 2 - CHASSIS AND ENGINE WIRING



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

CONNECTOR LOCATION

Volume 2 of 2 - CAB WIRING



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

SPECIFICATIONS AND RELATED MANUALS

Volume 1 of 2 - CHASSIS AND ENGINE WIRING



Resistor, Sender and Solenoid Specifications		
Part No.	Component Description	Resistance (Ohms) ¹
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

¹ 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

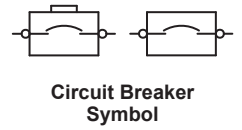
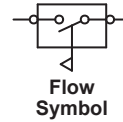
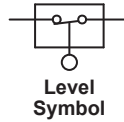
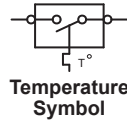
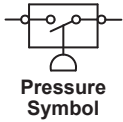
Resistor, Sender and Solenoid Specifications		
Part No.	Component Description	Resistance (Ohms) ¹
134-2540	Resistor: CAN	120 ± 12
228-4982	Resistor: HVAC Pull Up	150 ± 7.5
233-6131	Sensor: HVAC Evaporator Thermostat	-40°C = 33.65k 25°C = 1k 120°C = 39
256-6454	Sensor: Louver Temperature Recirculation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

HARNESS and WIRE

Electrical Schematic Symbols



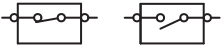
Symbols



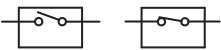
Symbols and Definitions



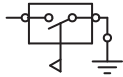
Fuse: A component in an electrical circuit that will open the circuit if too much current flows through it.



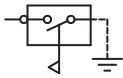
Switch (Normally Open): A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has screw terminals and a wire can be disconnected from it.



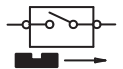
Switch (Normally Closed): A switch that will open at a specified point (temp, press, etc.). No circle indicates that the wire cannot be disconnected from the component.



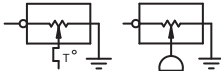
Ground (Wired): This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.



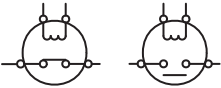
Ground (Case): This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.



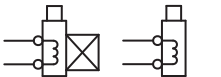
Reed Switch: A switch whose contacts are controlled by a magnet. A magnet closes the contacts of a normally open reed switch; it opens the contacts of a normally closed reed switch.



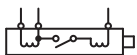
Sender: A component that is used with a temperature or pressure gauge. The sender measures the temperature or pressure. Its resistance changes to give an indication to the gauge of the temperature or pressure.



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.



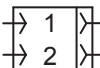
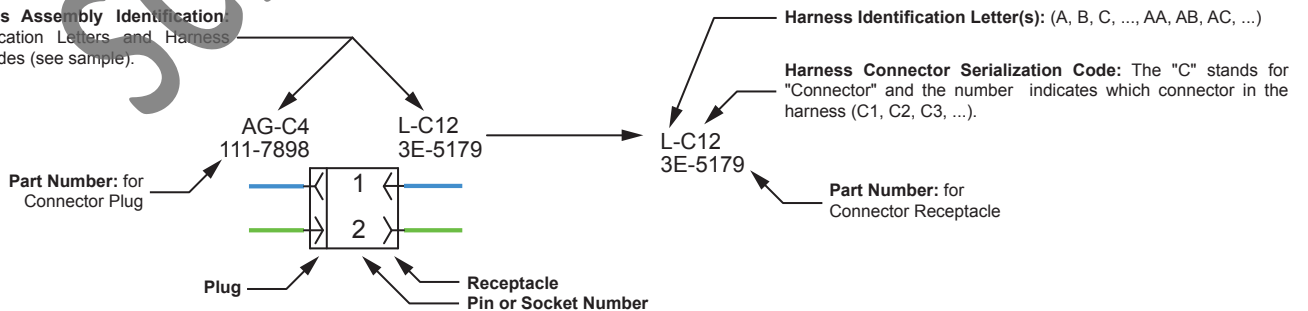
Solenoid: A solenoid is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close a valve or move a piece of metal that can do work.



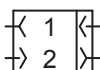
Magnetic Latch Solenoid: A magnetic latch solenoid is an electrical component that is activated by electricity and held latched by a permanent magnet. It has two coils (latch and unlatch) that make electromagnet when current flows through them. It also has an internal switch that places the latch coil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

Harness and Wire Symbols

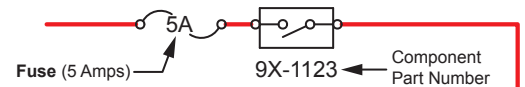
Wire, Cable, or Harness Assembly Identification: Includes Harness Identification Letters and Harness Connector Serialization Codes (see sample).



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

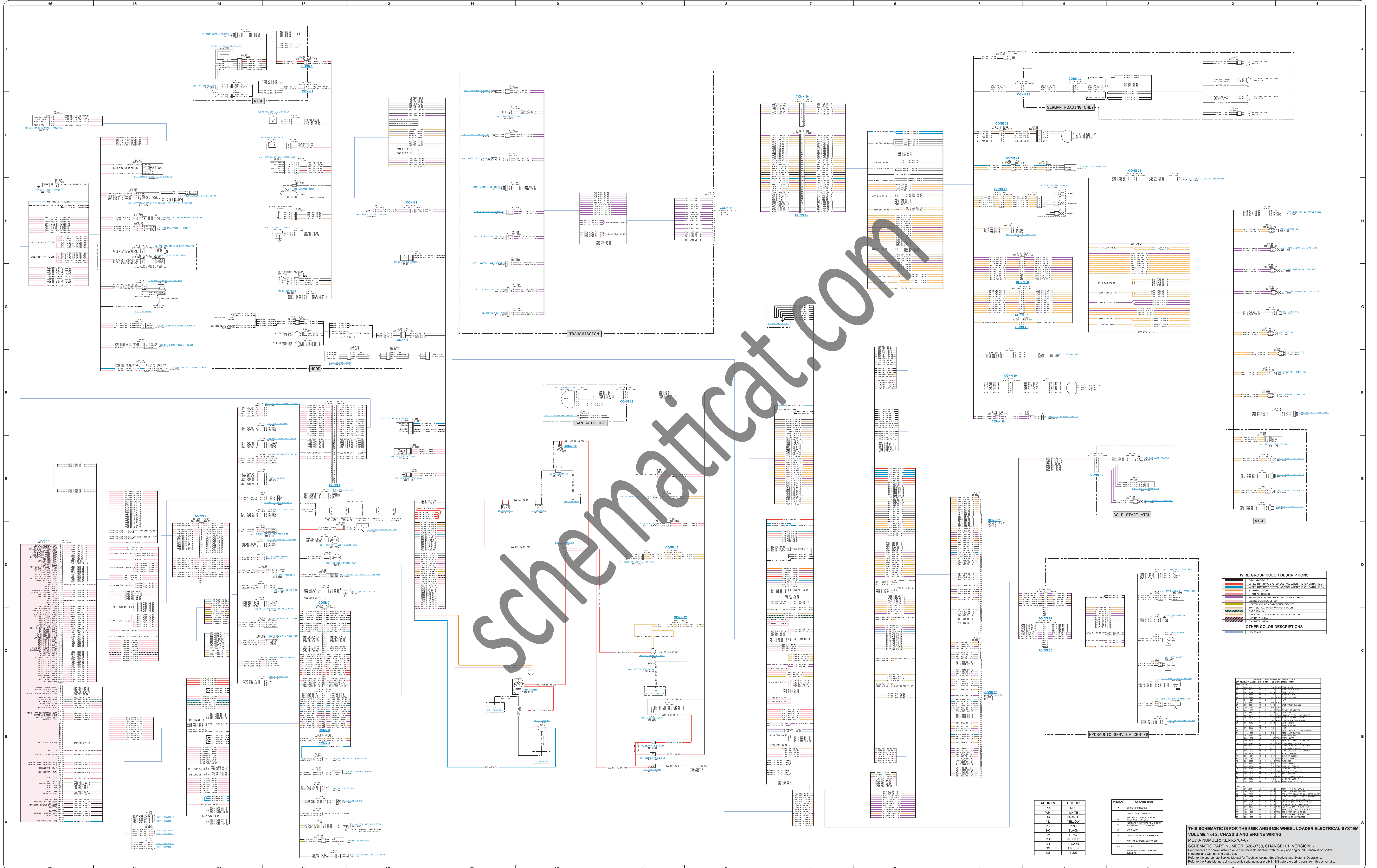


Sure-Seal connector: Typical representation of a Sure-Seal connector. The plug and receptacle contain both pins and sockets.



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

Wire Gauge → **Wire Color**



WIRE GROUP COLOR DESCRIPTIONS

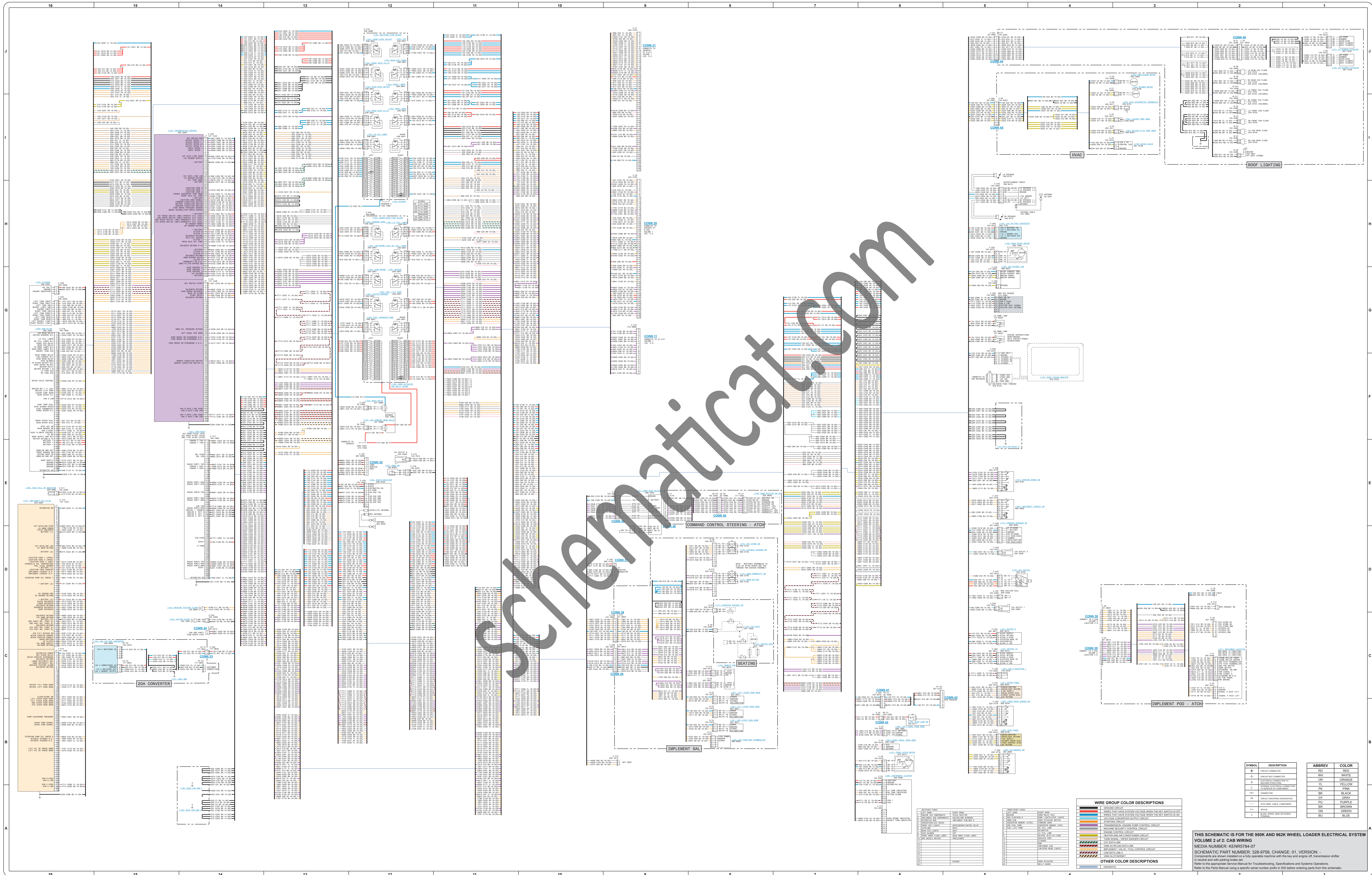
(Red/White)	GROUND CIRCUIT
(Red)	POWER THAT OPERATES VOLTAGE WHEN THE KEY SWITCH IS ON
(Red/Blue)	POWER THAT DOES NOT OPERATE VOLTAGE WHEN THE KEY SWITCH IS ON
(Green)	STARTER CIRCUIT
(Blue)	TRANSMISSION - ENGINE PUMP CONTROL CIRCUIT
(Purple)	HEATER AND AIR CONDITIONER CIRCUIT
(Yellow)	IGNITION CIRCUIT - ENGINE STARTER CIRCUIT
(Pink)	IGNITION CIRCUIT - ENGINE STARTER CIRCUIT
(Cyan)	CONTROL CIRCUIT - POWER CONTROL CIRCUIT
(Black)	CONTROL CIRCUIT - POWER CONTROL CIRCUIT
(Orange)	CONTROL CIRCUIT - POWER CONTROL CIRCUIT

OTHER COLOR DESCRIPTIONS

(Blue/White)	INDICATOR
--------------	-----------

ABBREV.	COLOR	SYMBOL	DESCRIPTION
RD	RED	(+)	GROUP CONNECTING
WH	WHITE	(-)	GROUND/COMMON/NEUTRAL
CR	CRANIE	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
YL	YELLOW	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
PK	PINK	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
BL	BLACK	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
GR	GRAY	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
PJ	PURPLE	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
BR	BROWN	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
GN	GREEN	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM
BU	BLUE	(-)	DIFFERENCE CONNECTION TO DIFFERENT SYSTEM

THIS SCHEMATIC IS FOR THE 860K AND 862K 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 shift
is 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.



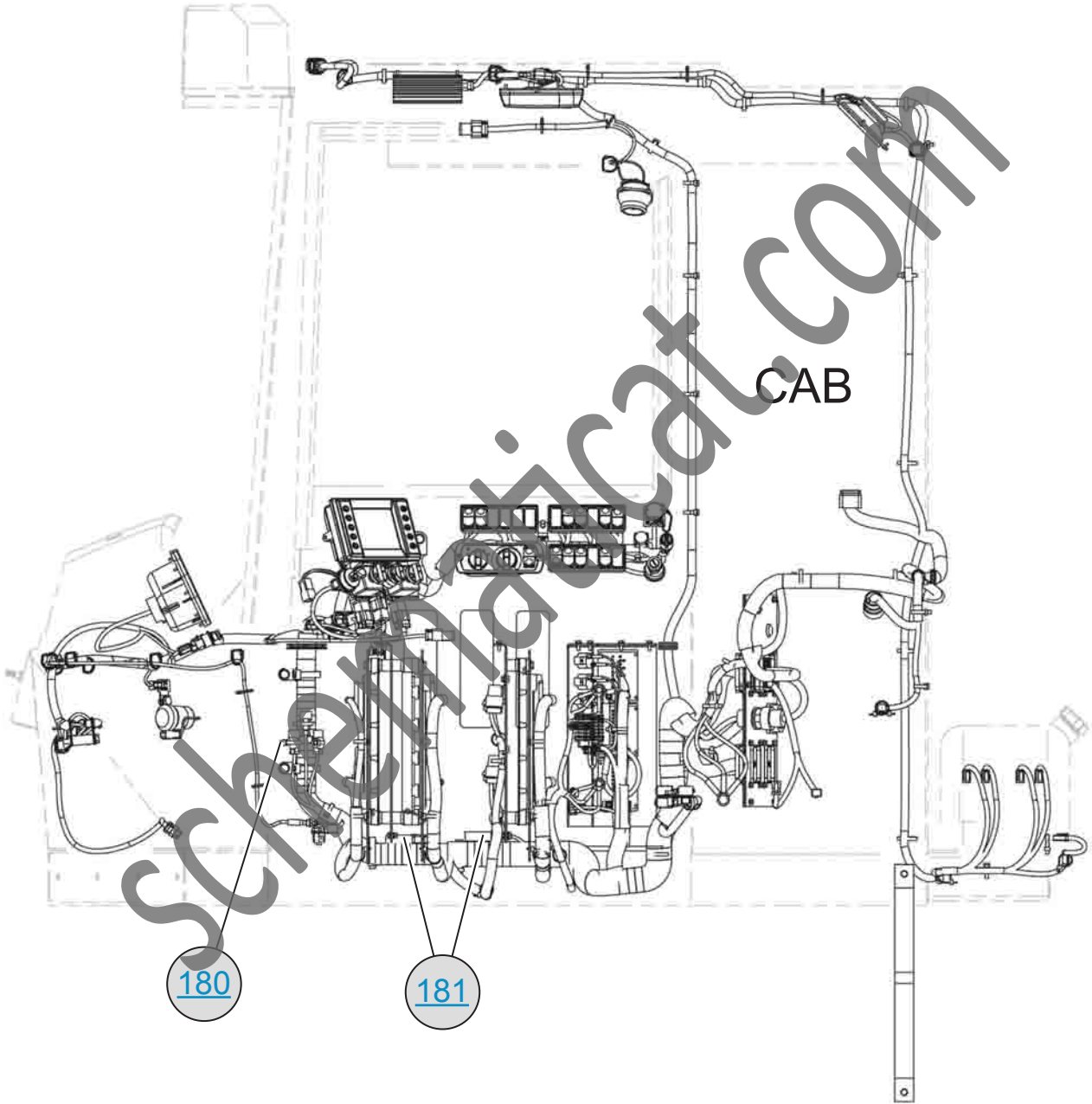
SchematicCat.com

SYMBOL	DESCRIPTION	ABBREV	COLOR
+	WIRE CONNECTOR	WHD	WHITE
+	WIRE NOT CONNECTED	OR	ORANGE
+	WIRE BUNDLE	YL	YELLOW
+	WIRE BUNDLE (NON-CONNECTED)	PK	PINK
+	CONNECTOR	BL	BLACK
+	WIRE GROUPS (DISCONTINUED)	GY	GRAY
+	WIRE GROUPS (DISCONTINUED)	PU	PURPLE
+	WIRE GROUPS (DISCONTINUED)	BR	BROWN
+	WIRE GROUPS (DISCONTINUED)	GN	GREEN
+	WIRE GROUPS (DISCONTINUED)	BLU	BLUE

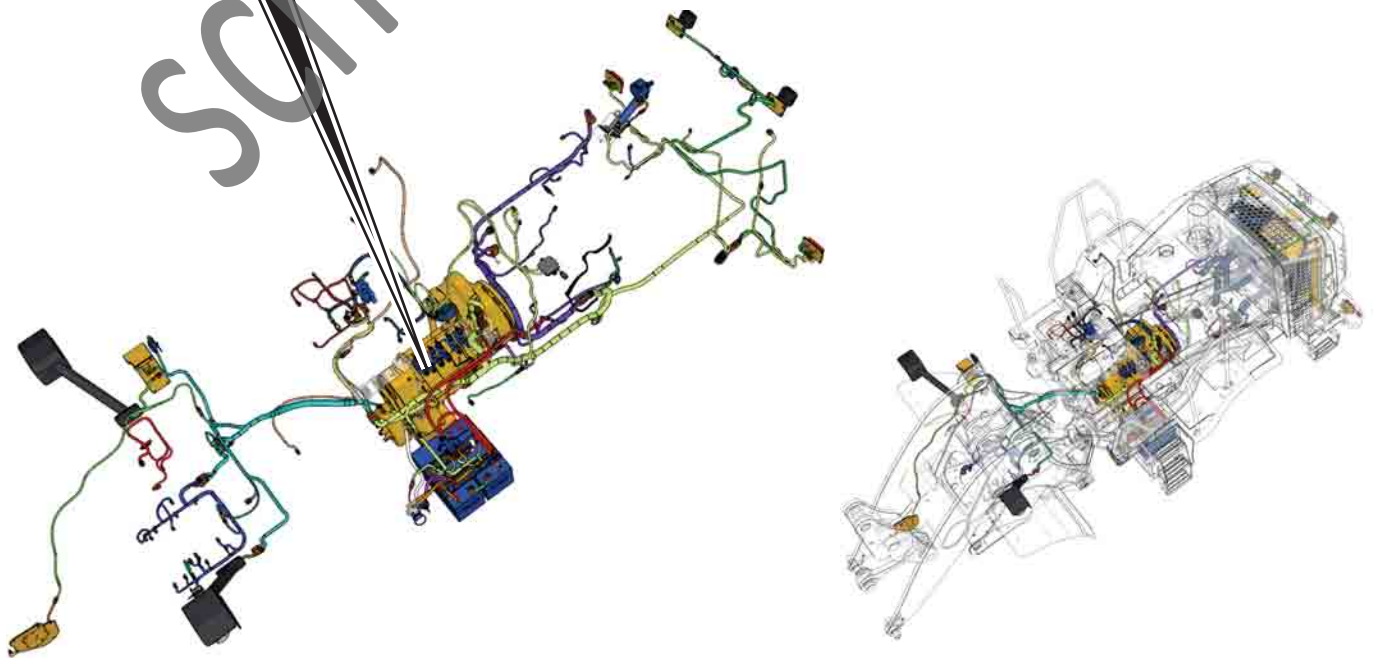
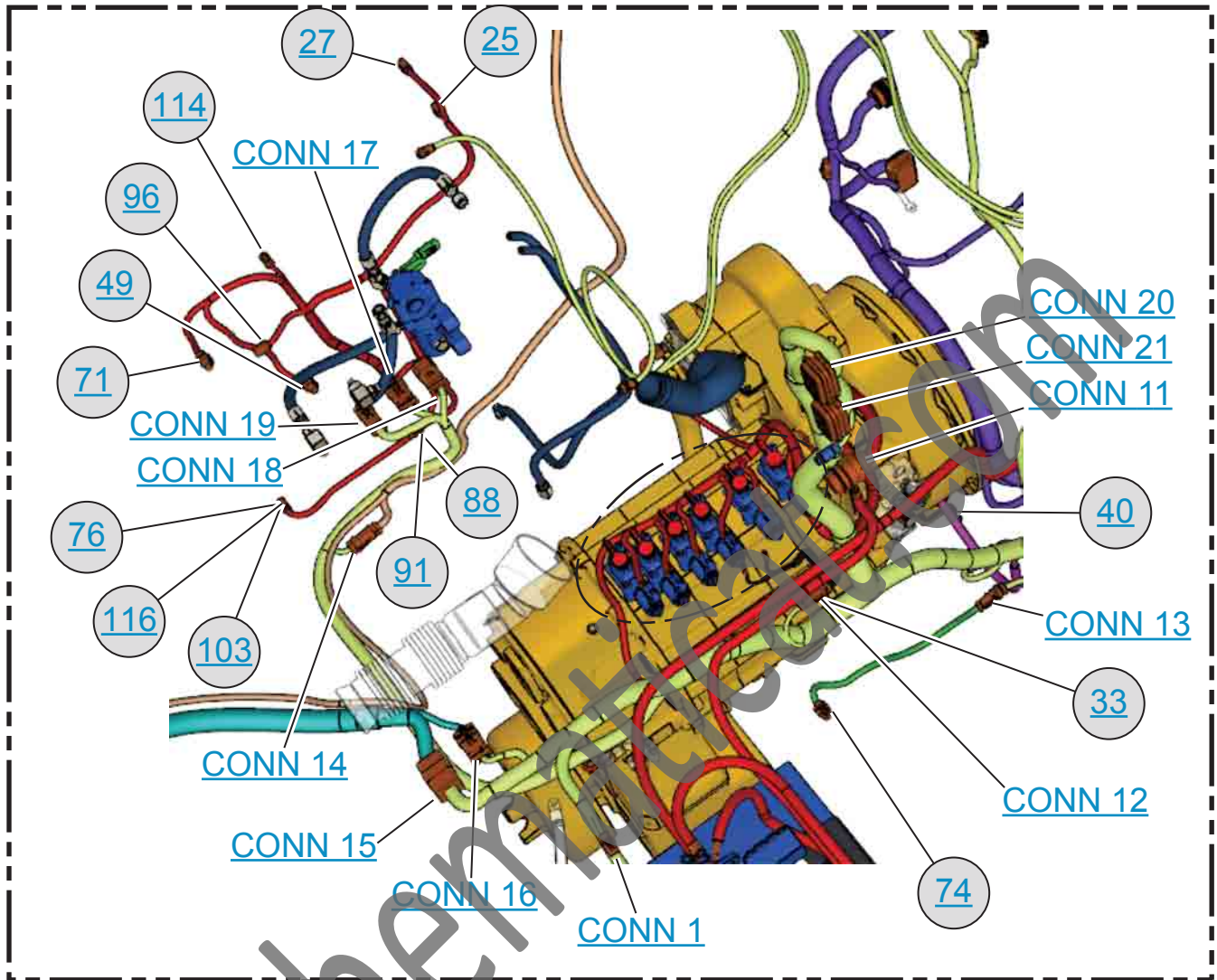
WIRE GROUP COLOR DESCRIPTIONS	
RED	GROUND WIRE
ORANGE	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
YELLOW	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
GREEN	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
BLUE	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
PINK	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
BLACK	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
GRAY	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
PURPLE	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
BROWN	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
GREEN	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON
BLUE	WIRE THAT HAVE CUSTOM VOLTAGE WHEN THE KEY SWITCH IS ON

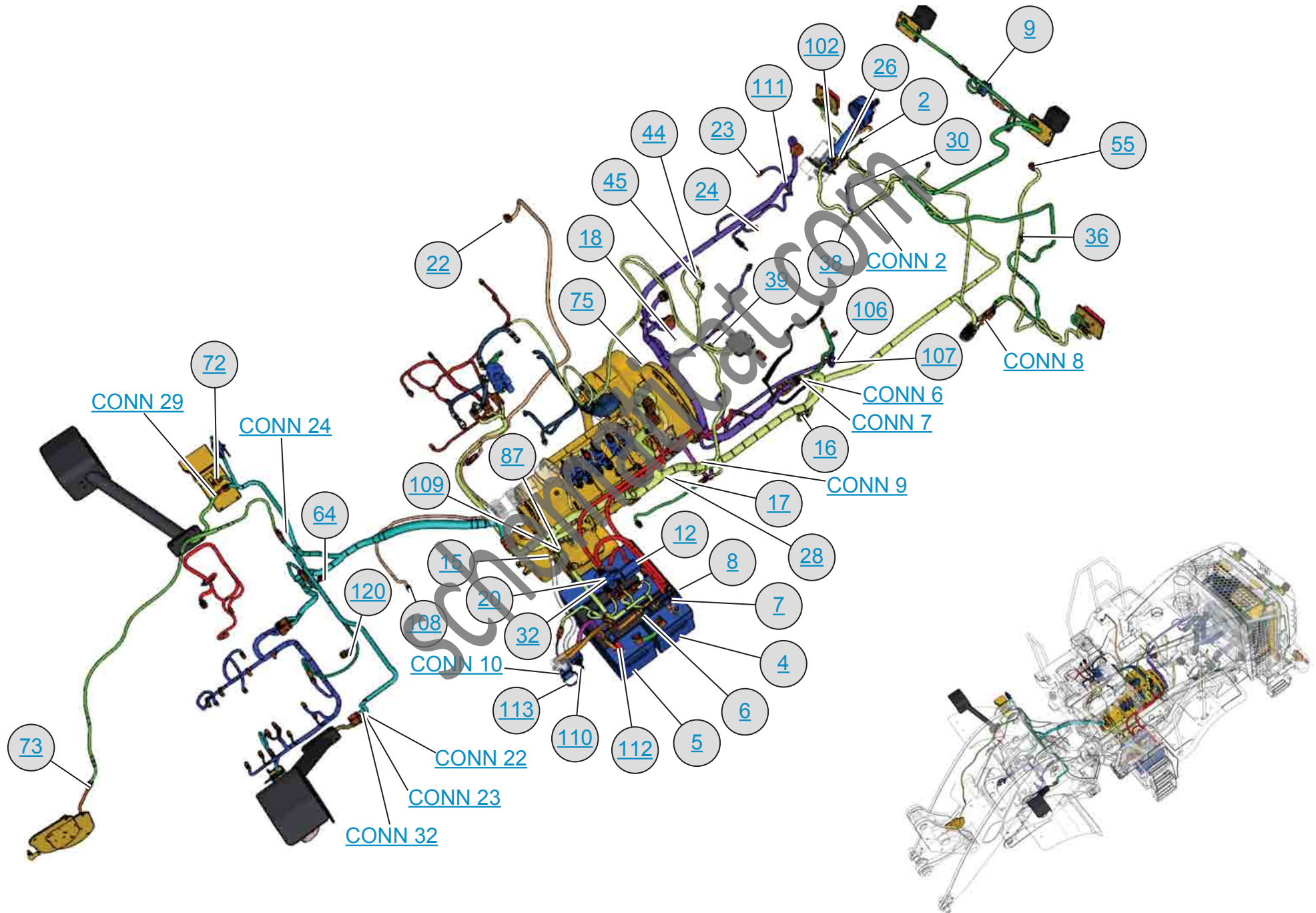
THIS SCHEMATIC IS FOR THE 950K AND 962K WHEEL LOADER ELECTRICAL SYSTEM
 VOLUME 2 of 2: CAB WIRING
 MEDIA NUMBER: KENR5784-07
 SCHEMATIC PART NUMBER: 328-9758, CHANGE: 01, VERSION: 1
 Components are shown installed on a fully operable machine, with the key and engine off, transmission in either
 in neutral 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.

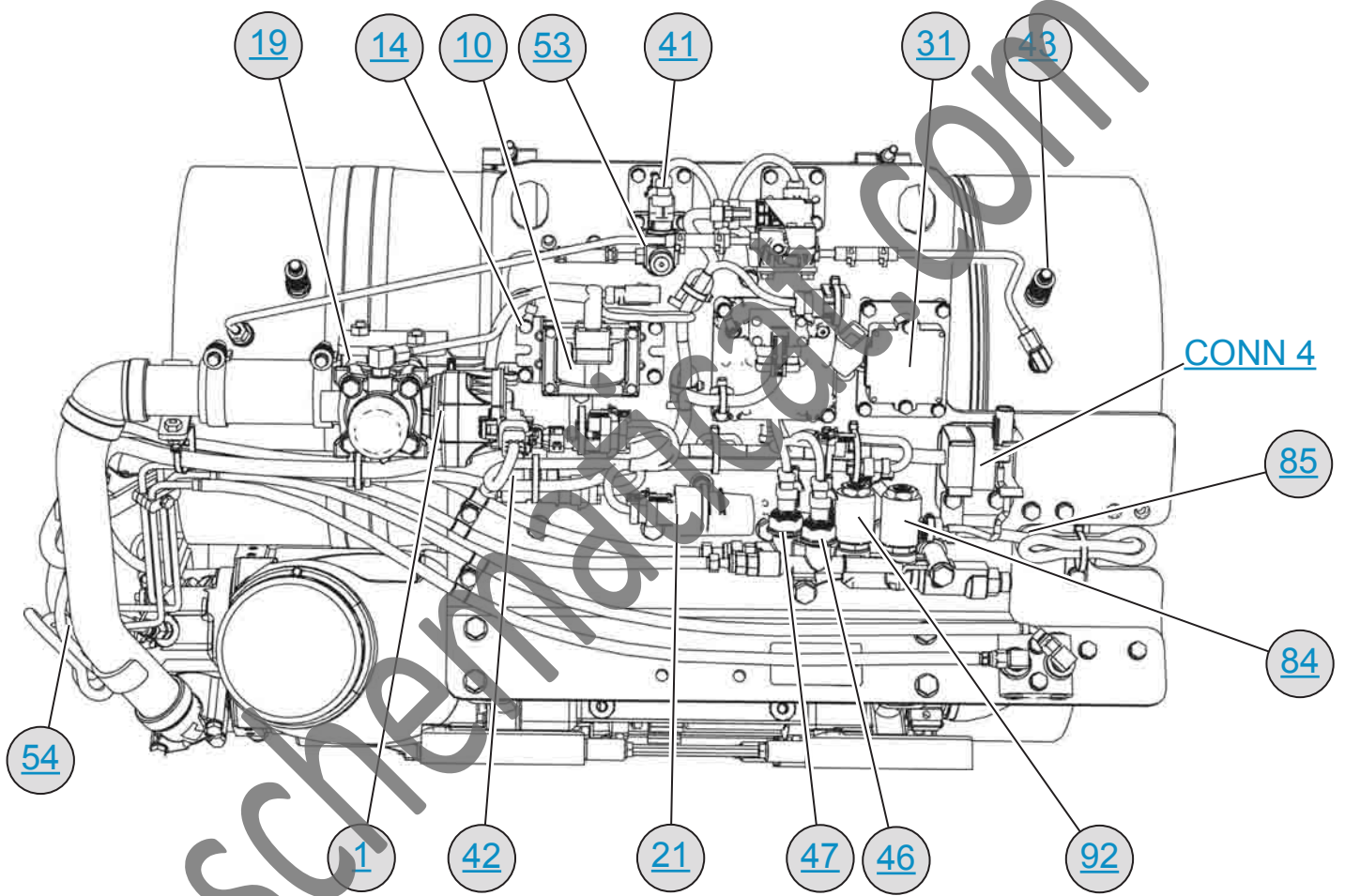
ALTERNATOR BLOCKING CIRCUIT



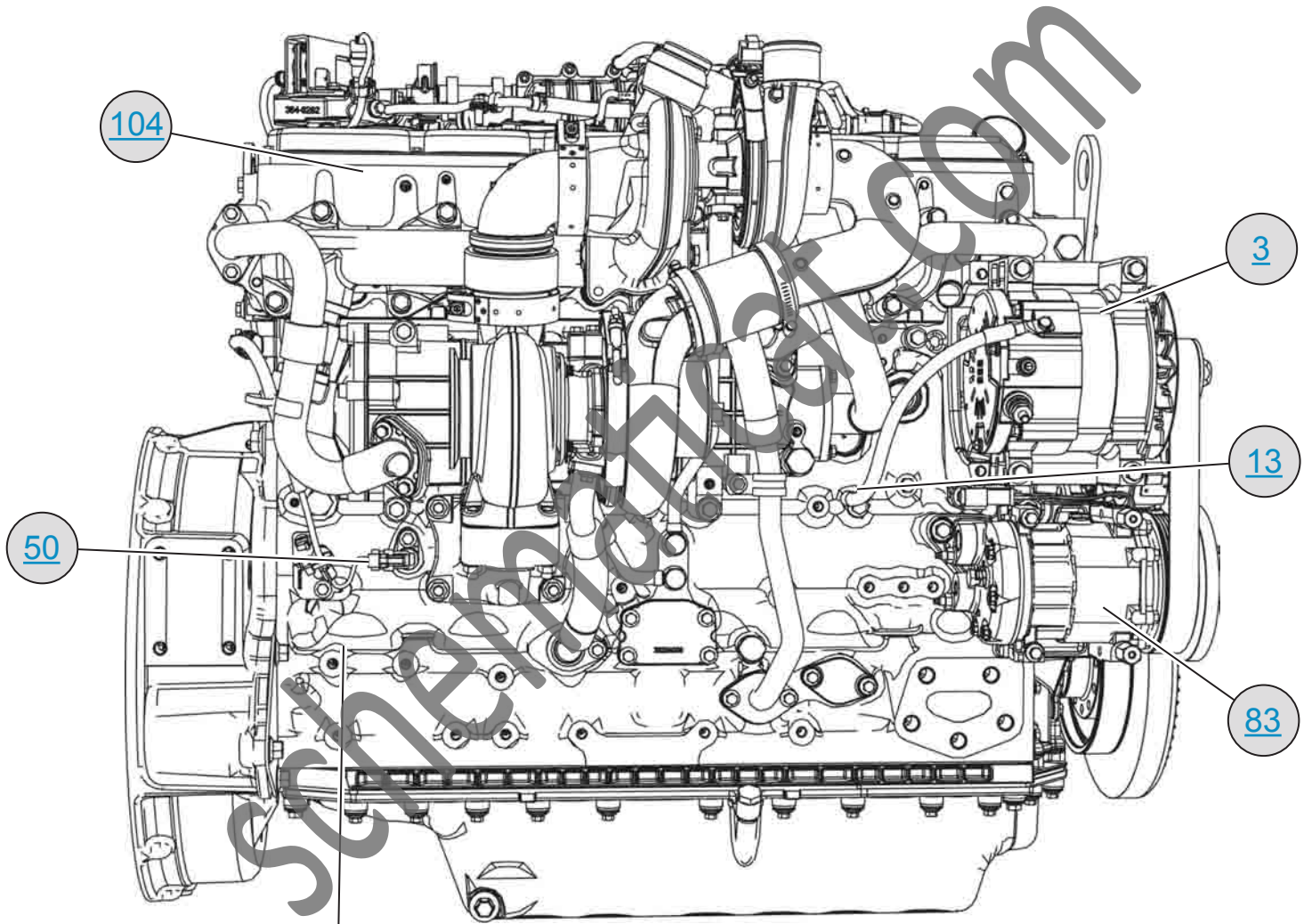
LEFT SIDE VIEW





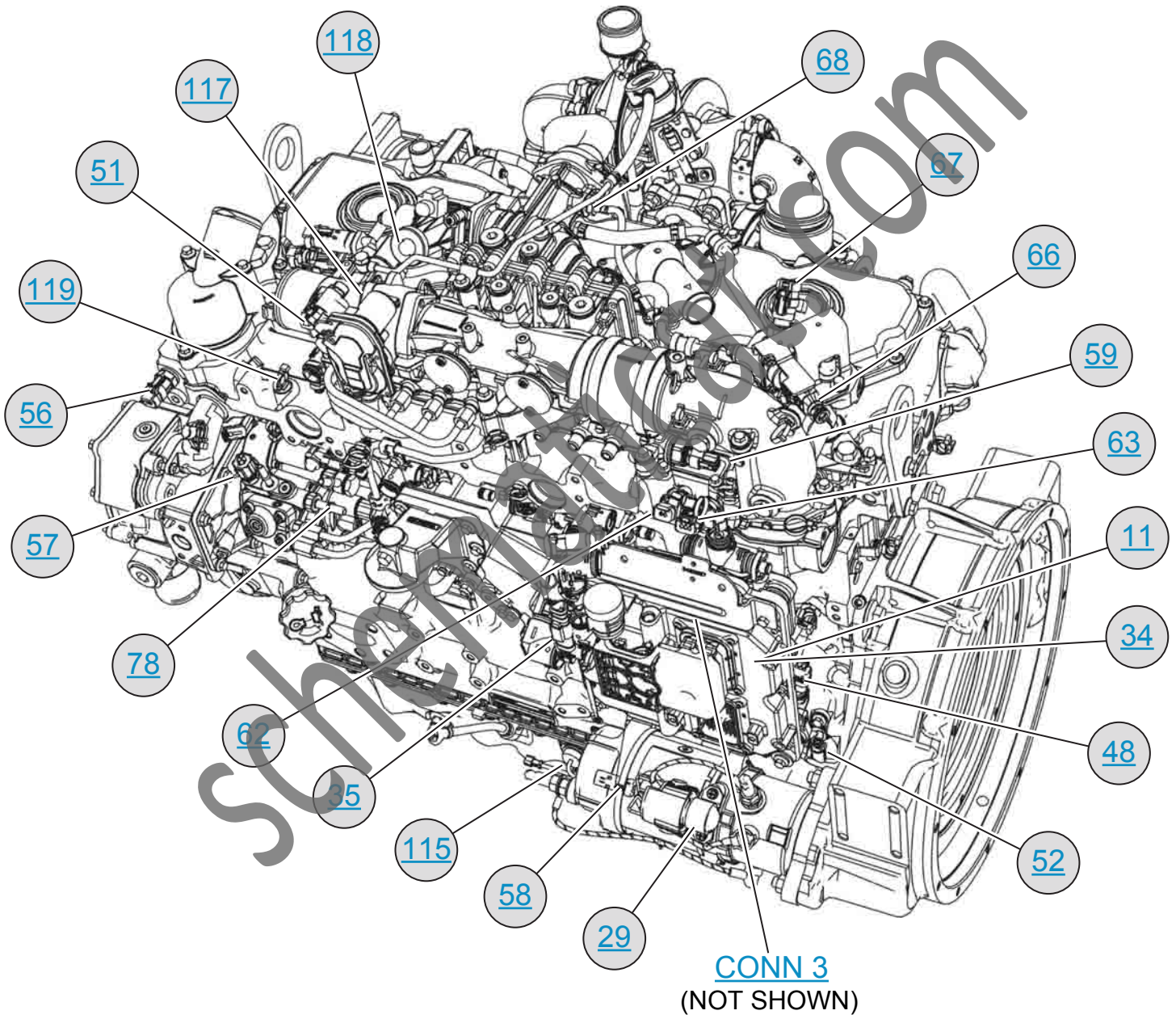


ENGINE LEFT SIDE

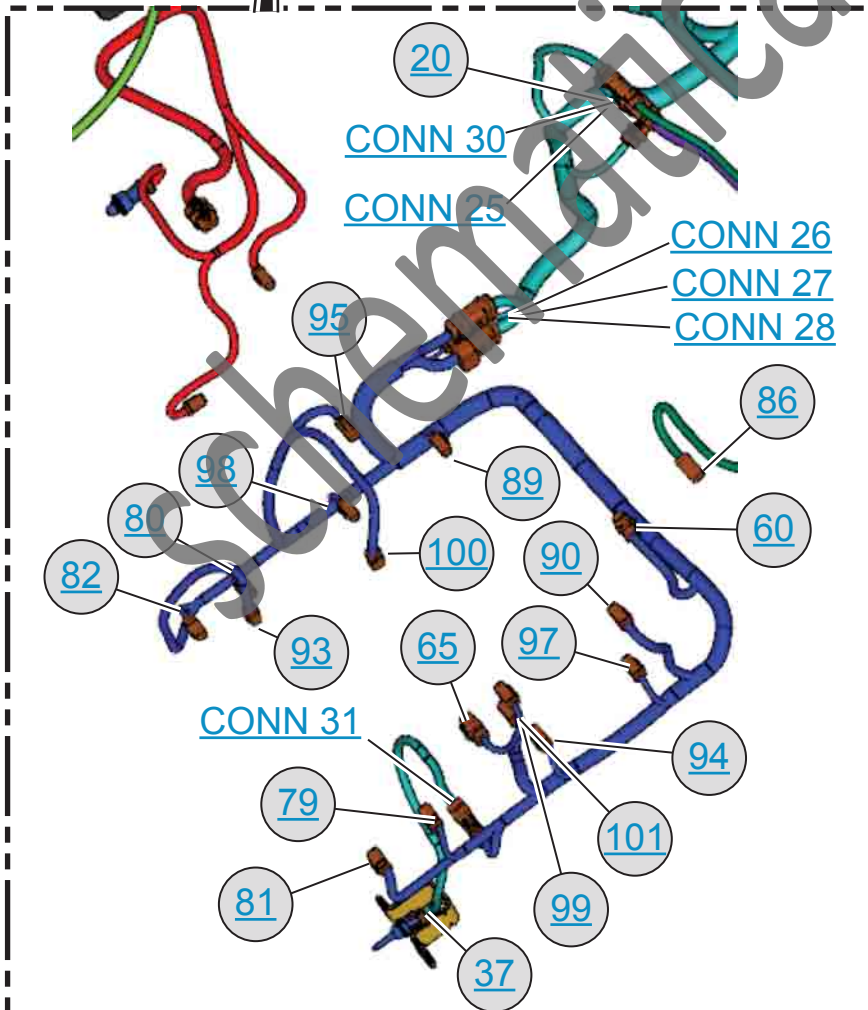
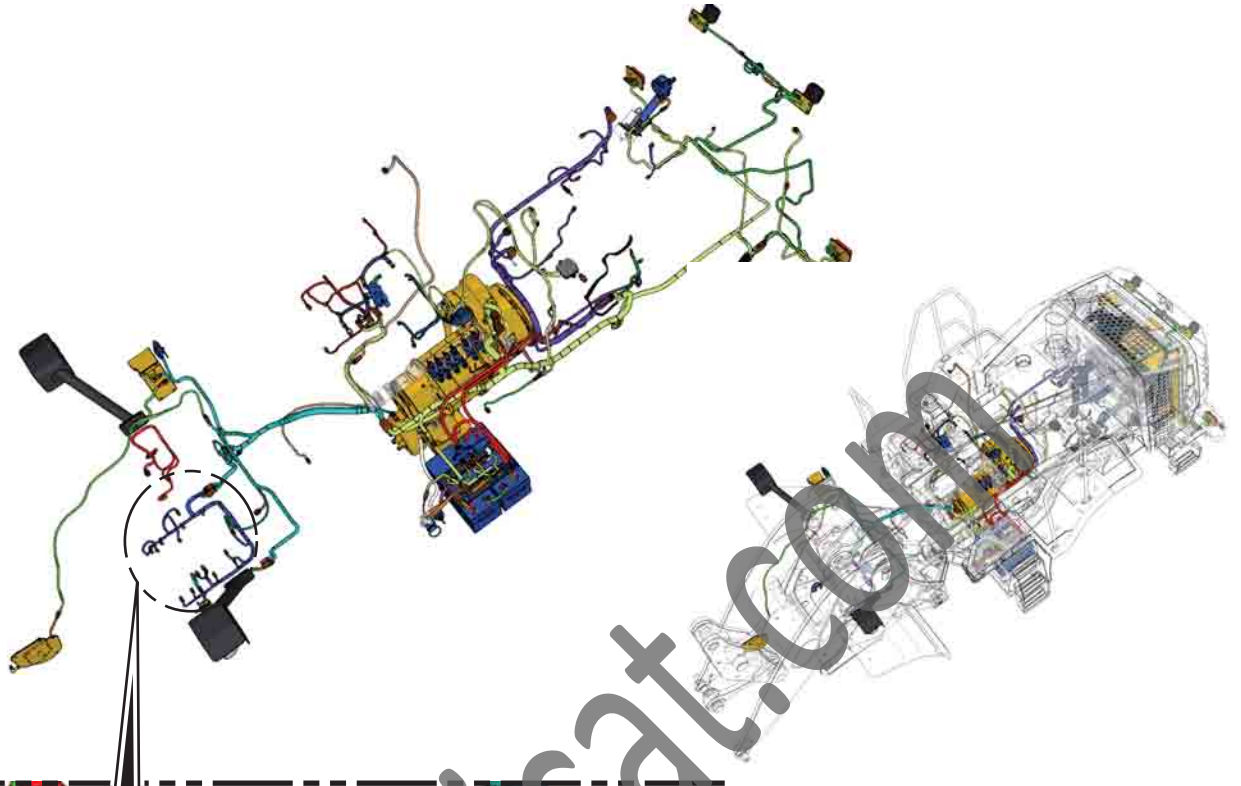


CONN 5
(NOT SHOWN)

ENGINE RIGHT SIDE



IMPLEMENT VALVE



TRANSMISSION

