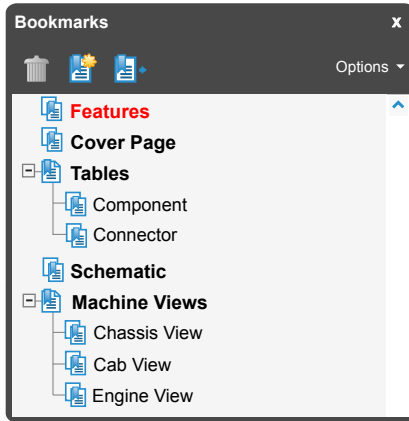


INTERACTIVE SCHEMATIC

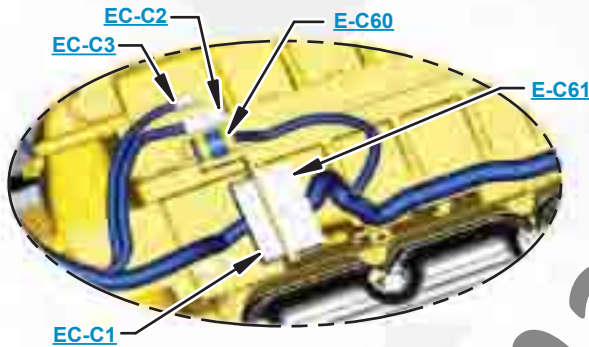


The Bookmarks panel will allow you to quickly navigate to points of interest.

****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.

**Due to different monitor sizes and PDF reader preferences there may be some variance in linked schematic locations*



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



[Click here to save a copy of this interactive schematic to your desktop](#)

VIEW ALL CALLOUTS

When only one callout is showing on a machine view, clicking on 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”

ELECTRICAL SYMBOLS				
Pressure Switch	Temperature Switch	Level Switch	Flow Switch	Circuit Breaker

BASIC HYDRAULIC COMPONENT SYMBOLS	
Pump or Motor	Variability
Fluid Conditioner	Spring (Adjustable)

[Click here to view the Schematic Symbols and Definitions page](#)



SCHEMATIC SYMBOLS AND DEFINITIONS



VALVES		
ENVELOPES		
One Position	Two Position	Three Position
PORTS		
Two-way	Three-Way	Four-Way
CONTROL		
Normal Position	Shifted Position	Infinite Position
CHECK		
Basic Symbol	Spring Loaded	Shuttle
Pilot Controlled		

INTERNAL PASSAGEWAYS			
Flow in One Direction	Flow Allowed in Either Direction	Parallel Flow	Cross Flow
Infinite Positioning	Two Position	Three Position	

PUMPS	
FIXED DISPLACEMENT	
Unidirectional	Bidirectional
VARIABLE DISPLACEMENT NON-COMPENSATED	
Unidirectional	Bidirectional

BASIC HYDRAULIC COMPONENT SYMBOLS	
Pump or Motor	Variability
Fluid Conditioner	Spring (Adjustable)
Spring	Pressure Compensation
Control Valves	Line Restriction (Variable)
Restriction	Line Restriction (Fixed)
Line Restriction Variable and Pressure Compensated	2-Section Pump
Attachment	Pump: Variable and Pressure Compensated
Hydraulic Energy Triangles	Pneumatic Energy Triangles

CYLINDERS	
Single Acting	Double Acting

ACCUMULATORS	
Spring Loaded	Gas Charged

MOTORS	
FIXED DISPLACEMENT	
Unidirectional	Bidirectional
VARIABLE DISPLACEMENT NON-COMPENSATED	
Unidirectional	Bidirectional

ROTATING SHAFTS	
Unidirectional	Bidirectional

PILOT CONTROL	
RELEASED PRESSURE	
External Return	Internal Return
REMOTE SUPPLY PRESSURE	
Simplified	Complete
Internal Supply Pressure	

COMBINATION CONTROLS						
Solenoid	Solenoid or Manual	Solenoid and Pilot	Solenoid and Pilot or Manual	Servo	Thermal	Detent

LINES	
Crossing	Joining

MEASUREMENT		
Pressure	Temperature	Flow

MANUAL CONTROL					
Push-pull Lever	Manual Shutoff	General Manual	Push Button	Pedal	Spring

FLUID STORAGE RESERVOIRS			
Vented	Pressurized	Return Above Fluid Level	Return Below Fluid Level

HYDRAULIC SYMBOLS - ELECTRICAL							
Transducer (Fluid)	Transducer (Gas / Air)	Generator	Electric Motor	Pressure Switch	Pressure Switch (Adjustable)	Temperature Switch	Electrical Wire

ELECTRICAL SYMBOLS				
Pressure Switch	Temperature Switch	Level Switch	Flow Switch	Circuit Breaker

BASIC ELECTRICAL COMPONENT SYMBOLS	
	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: 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.

HARNES AND WIRE SYMBOLS	
Wire, Cable, or Harness Assembly Identification: Includes Harness Identification Letters and Harness Connector Serialization Codes (see sample).	
Harness Identification Letter(s): (A, B, C, AA, AB, AC, ...)	
Harness Connector Serialization Code: The "C" stands for "Connector" and the number indicates which connector in the harness (C1, C2, C3, ...)	
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.	

Schematic

D9T TRACK-TYPE TRACTOR Electrical System

TWG1-UP

Volume 1 of 2: Chassis and Engine Wiring

Volume 2 of 2: Cab and Platform Wiring

COMPONENT LOCATION CHASSIS AND ENGINE WIRING



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Alarm - Backup	B-13	1	Sensor - Implement Pump Oil Pressure	G-14	63
Alternator	I-7	2	Sensor - Inclination	C-4	64
Arc Suppressor 1	D-13	3	Sensor - Intake Manifold Pressure	G-4	65
Arc Suppressor 2	D-13	4	Sensor - Intake Manifold Temp	G-4	66
Battery - 1-2	J-10	5	Sensor - Low Oil Level	F-5	67
Battery - 3-4 (ATCH)	I-10	6	Sensor - LH Cylinder Position	E-4	68
Control GP - Engine	H-6	7	Sensor - LH Cylinder Position (Atch)	E-3	69
Converter - 12V (5A)	J-11	8	Sensor - Pto Level	F-11	70
Ground - ATCH Starter Engine	C-7	9	Sensor - RH Cylinder Position	A-4	71
Ground - Engine	G-7	10	Sensor - RH Cylinder Position (Atch)	B-3	72
Ground - Engine Alt	I-7	11	Sensor - Steer Motor Speed	C-11	73
Ground - Frame	B-7	12	Sensor - TC Oil Temp	D-6	74
Ground - Frame (ATCH Starter)	C-8	13	Sensor - TC Out Speed	D-6	75
Ground - Frame (Pre-lube Motor)	C-9	14	Sensor - Transmission Output Speed 1	E-15	76
Ground - Frame (Starter)	G-7	15	Sensor - Transmission Output Speed 2	E-15	77
Ground - Frame 2	J-9	16	Solenoid - A/C Clutch	E-3	78
Ground - Left Fender	E-12	17	Solenoid - Blade Tilt Left	G-14	79
Ground - Right Fender	C-12	18	Solenoid - Blade Tilt Lower	G-14	80
Ground Strap - AY1	E-10	19	Solenoid - Blade Tilt Raise	G-14	81
Ground Strap - AY2	E-10	20	Solenoid - Blade Tilt Right	G-14	82
Ground Strap - AY3	E-10	21	Solenoid - Brake Prop	G-11	83
Ground Strap - AY4	E-10	22	Solenoid - Demand Fan	D-6	84
Ground Strap - CH1	E-10	23	Solenoid - Dual Tilt	C-5	85
Ground Strap - CH2	D-10	24	Solenoid - Ether Start Aid	E-6	86
Heater GP - Jacket Water (120V/1500W)	C-6	25	Solenoid - Fan Bypass	C-5	87
Heater GP - Jacket Water (240V/1500W)	C-6	26	Solenoid - First Gear Clutch	E-15	88
Horn - Forward High	C-5	27	Solenoid - Forward Clutch	E-15	89
Horn - Forward Lo	C-5	28	Solenoid - Implement Lockout	C-12	90
Meter GP - Service (Remote Hour)	F-11	29	Solenoid - Injectors 1-6	H-2	91
Motor - Attachment Starter	C-7	30	Solenoid - Park Brake Dump	G-11	92
Motor - Condenser 1	A-16	31	Solenoid - Quick Drop	C-5	93
Motor - Condenser 2	A-16	32	Solenoid - Reverse Clutch	E-15	94
Motor - Pre-lube	C-9	33	Solenoid - Reversing Fan	C-5	95
Motor - Starter	H-7	34	Solenoid - Ripper Shank Lower	F-14	96
Pump - Fuel	F-3	35	Solenoid - Ripper Pin	D-13	97
Radio - Accugrade GPS CR	J-11	36	Solenoid - Ripper Shank In	F-14	98
Radio - AG GPS	J-11	37	Solenoid - Ripper Shank Out	F-14	99
Receiver - GPS (Accugrade)	J-11	38	Solenoid - Ripper Shank Raise	F-14	100
Receiver - LH Nose GPS	D-3	39	Solenoid - Second Gear Clutch	E-15	101
Receiver - RH Nose GPS	C-3	40	Solenoid - Service Brake Dump	G-11	102
Relay - Condenser 1	B-16	41	Solenoid - Steering Pump Left	E-6	103
Relay - Condenser 2	A-16	42	Solenoid - Steering Pump Right	D-6	104
Resistor - Accugrade 1	I-11	43	Solenoid - Third Gear Clutch	D-15	105
Resistor - Accugrade 2	I-11	44	Solenoid - Winch Drum Clutch Release	C-14	106
Resistor - Accugrade Term 1	B-5	45	Solenoid - Winch Drum Clutch Release 2	F-14	107
Resistor - Can A 2	D-8	46	Solenoid - Winch Low Speed Lock 2	F-14	108
Resistor - Hour Meter Can 2	F-12	47	Solenoid - Winch Low Speed Lock	D-14	109
Resistor - Implement Term 1	D-5	48	Solenoid - Winch Spool In	F-14	110
Sender - Hydraulic Oil Temp	D-11	49	Solenoid - Winch Spool In 2	F-14	111
Sender - XMSN Sump Temp	F-11	50	Switch - A/C High	F-3	112
Sensor - Air Filter Pressure	E-6	51	Switch - A/C Low	E-3	113
Sensor - Air Filter Temp	E-6	52	Switch - Aux Disconnect	B-8	114
Sensor - Barometric Pressure	G-4	53	Switch - Coolant Flow	D-6	115
Sensor - Cam Speed	H-3	54	Switch - Disconnect	J-9	116
Sensor - Charge Pressure	B-11	55	Switch - Ingress Lighting	E-11	117
Sensor - Coolant Temp	F-3	56	Switch - Low Coolant Level	D-5	118
Sensor - Crank Speed	H-3	57	Switch - Pto Filter Bypass Limit	F-11	119
Sensor - Dynamic Inclination	H-16	58	Switch - Remote Control Mode	D-16	120
Sensor - Engine Oil Pressure	G-4	59	Switch - Shutdown	E-11	121
Sensor - Fuel Level	G-10	60	Switch - Steer Charge Filter Bypass	F-11	122
Sensor - Fuel Pressure After Filter	F-3	61	Switch - Under Hood Work Light	C-5	123
Sensor - Fuel Temp	F-3	62			

COMPONENT LOCATION CAB AND PLATFORM WIRING



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Alarm - Action	F-3	124	Resistor - Blower	I-13	161
Alarm - Caes	H-2	125	Resistor - Can A	B-11	162
Battery AS - Rechargeable	J-1	126	Resistor - Can RC 2	D-3	163
Control - HVAC Panel	C-10	127	Resistor - Hour Meter Can 1	A-16	164
Control GP - Communication	D-1	128	Resistor - HVAC	A-16	165
Control GP - Implement	E-16	129	Sensor - Decel Pedal	E-2	166
Control GP - Implement Handle	B-7	130	Sensor - EVAP Freeze Probe	J-13	167
Control GP - Joystick (Winch)	B-8	131	Sensor - LC Inclination	E-3	168
Control GP - Monitor	B-4	132	Sensor - Louver Temp	I-14	169
Control GP - Power Train	H-16	133	Sensor - Recirc Filter Temp	I-13	170
Control GP - Ripper	A-7	134	Sensor - Service Brake Pedal	E-2	171
Control GP - Steering	I-6	135	Sensor - Steering	I-6	172
Converter - 10A	D-3	136	Socket - 12V Outlet 1	A-6	173
Converter - 20A	C-14	137	Socket - 12V Outlet 2	A-6	174
Display - Accugrade	G-1	138	Switch - A/C	D-10	175
Display - CAES (Navigator)	J-1	139	Switch - Auto Downshift	D-7	176
Fuse - Thermal	I-13	140	Switch - Cylinder Light	C-8	177
Ground - Cab	D-11	141	Switch - Forward Rops CYL HID (ATCH)	C-8	178
Ground - Dash	G-3	142	Switch - Forward Rops Light (STD)	C-8	179
Ground - Left Rear 1	G-10	143	Switch - Front Wiper	D-11	180
Ground - Left Rear 2	F-10	144	Switch - Fuel Tank - Ripper Light	C-8	181
Ground - Right Hand Console	A-5	145	Switch - Horn	B-6	182
Module GP - Display	G-3	146	Switch - Implement Lockout	C-7	183
Module GP - Display (Work Area Visual Sys)	B-12	147	Switch - Key Start	B-6	184
Module GP - Monitor Keypad	E-7	148	Switch - Left Wiper	D-11	185
Motor - Blower	J-14	149	Switch - LH Door	C-9	186
Motor - Blower (Precleaner)	J-12	150	Switch - Park Brake	H-6	187
Motor - Front Washer	C-12	151	Switch - Rear Rops HID (ATCH)	B-8	188
Motor - Front Wiper	B-10	152	Switch - Rear Wiper	C-11	189
Motor - Left Washer	C-12	153	Switch - Reversing Fan	D-8	190
Motor - Left Wiper	B-9	154	Switch - RH Door	B-9	191
Motor - Rear Washer	C-12	155	Switch - Right Wiper	C-11	192
Motor - Rear Wiper	G-10	156	Switch - Ripper Pin Puller	C-7	193
Motor - Right Washer	C-12	157	Switch - Service Brake	F-2	194
Motor - Right Wiper	B-9	158	Switch - Throttle	B-6	195
Panel GP - Fuse	I-1	159	Switch - Winch Lockout	D-7	196
Relay - Main	I-10	160	Valve - Water	J-13	197

CONNECTOR LOCATION CHASSIS AND ENGINE WIRING



Connector Location - Volume 1	
Connector Number	Schematic Location
CONN 1	H-15
CONN 2	G-15
CONN 3	G-15
CONN 4	A-15
CONN 5	A-14
CONN 6	E-14
CONN 7	J-14
CONN 8	B-12, J-14
CONN 9	G-13
CONN 10	E-13
CONN 11	E-13
CONN 12	D-13
CONN 13	C-13
CONN 14	A-13
CONN 15	A-12
CONN 16	A-12
CONN 17	B-12
CONN 18	E-12
CONN 20	C-12
CONN 21	E-12
CONN 22	G-12
CONN 23	H-12
CONN 24	I-12
CONN 25	E-11
CONN 26	H-10
CONN 27	J-9
CONN 28	D-8
CONN 29	E-8
CONN 30	B-6
CONN 31	B-6
CONN 32	C-6
CONN 33	E-6
CONN 34	H-6, H-4
CONN 35	I-6, H-4
CONN 36	E-5, E-4
CONN 37	D-5
CONN 38	D-5
CONN 39	A-5, B-4
CONN 40	B-4
CONN 41	E-4
CONN 42	F-4
CONN 43	H-3

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.

CONNECTOR LOCATION CAB AND PLATFORM WIRING



Connector Location - Volume 2	
Connector Number	Schematic Location
CONN 2	B-14
CONN 9	H-14
CONN 13	E-4
CONN 29	I-3
CONN 44	C-14
CONN 45	C-14
CONN 46	J-14
CONN 47	C-11
CONN 48	B-11
CONN 49	A-11
CONN 50	A-11
CONN 51	A-11
CONN 52	B-10
CONN 53	B-10
CONN 54	D-2, C-3
CONN 55	D-2, C-3
CONN 56	H-8
CONN 57	I-8
CONN 58	I-8
CONN 59	G-7
CONN 60	A-6
CONN 61	B-5
CONN 62	E-3, I-2, G-2
CONN 63	D-3, I-2, G-2
CONN 64	F-2
CONN 65	H-2

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.

CID / MID / FMI CAB AND PLATFORM WIRING



Component Identifiers (CID ¹) Module Identifier (MID ²) Implement Control (MID No. 082)	
CID	Component
0041	8 Volt DC Supply
0084	Ground Speed Sensor
0096	Fuel Level Sensor
0168	Electrical System Voltage
0247	SAE J1939 Data Link
0268	Programmed Parameter Fault
0296	Transmission Control
0490	Implement Lockout Switch
0497	Tilt Right Solenoid
0498	Tilt Left Solenoid
0588	Monitoring System Display
0590	Engine Control Module
0600	Hydraulic Oil Temperature Sensor
0779	Cab Air Temperature Sensor
0869	Right Lift Cylinder Position Sensor
0870	Left Lift Cylinder Position Sensor
0874	Mode Select Switch
0875	Manual Select Switch
0879	Ripper Shank In/Out Lever Position Sensor
0880	Ripper Raise/Lower Lever Position Sensor
0881	Ripper AutoStow Switch
0882	Implement Lockout Solenoid
0884	Pitch Solenoid
0886	Ripper Shank In Solenoid
0887	Ripper Shank Out Solenoid
0888	Ripper Shank Lower Solenoid
0889	Ripper Shank Raise Solenoid
1047	Single Tilt Solenoid
1048	Sourcing Driver Output 1
1049	Sourcing Driver Output 2
1197	Blade Lower Solenoid
1198	Blade Raise Solenoid
1298	All Implement Solenoids
1326	ECM Location Code
1450	Main Hydraulic Pump Oil Pressure Sensor
1482	10 Volt Sensor DC Power Supply
1870	Blade Control Handle Thumb Rocker Position Sensor
1871	Blade Quick Drop Solenoid
1874	Winch Lockout Switch
1881	Winch Control Handle Spool In/Out Position Sensor
1882	Winch Control Handle Drum Release Position Sensor
1883	Winch Low Speed Lock Switch
1884	Winch Spool In Solenoid
1885	Winch Spool Out Solenoid
1886	Winch Drum Release Solenoid
1887	Winch Low Speed Lock Solenoid
1952	Chassis Angle Sensor
2110	Machine Pitch Sensor
2114	Blade Control Handle Trigger Switch
2204	Auxiliary Lever #1 Position Sensor
2205	Auxiliary Lever #2 Position Sensor
2206	Auxiliary Lever #3 Position Sensor
2211	Auxiliary Valve #1 Port B Solenoid
2212	Auxiliary Valve #1 Port A Solenoid
2213	Auxiliary Valve #2 Port B Solenoid
2214	Auxiliary Valve #2 Port A Solenoid
2215	Auxiliary Valve #3 Port B Solenoid
2216	Auxiliary Valve #3 Port A Solenoid
2300	Switch Panel
2357	Air Conditioner Evaporator Coil Temperature Sensor
2359	Lift Float Solenoid
2662	Cab Air Heater Engine Coolant Actuator
2671	Air Conditioner Compressor Clutch Solenoid
3601	Automatic Ripper Control Switch

Power Train Control (MID No. 113)	
CID	Component
0041	8 Volt DC Supply
0070	Parking Brake Switch
0168	Electrical System Voltage
0177	Transmission Oil Temperature Sensor
0247	SAE J1939 Data Link
0248	CAT Data Link
0262	5 Volt Sensor DC Power Supply
0299	Transmission Lever Position Sensor
0444	Starter Motor Relay
0468	Service Brake Pedal Position Sensor
0473	Charge Pressure Sensor
0585	Transmission Output Speed Sensor #1
0588	Monitoring System Display
0590	Engine Control Module
0596	Implement Control
0672	Torque Converter Output Speed Sensor
0673	Transmission Output Speed Sensor #2
0681	Parking Brake Solenoid
0722	Secondary Brake Solenoid
0726	Right Steering Solenoid
0727	Left Steering Solenoid
0826	Torque Converter Oil Temperature Sensor
1326	ECM Location Code
1401	Transmission Solenoid 1
1402	Transmission Solenoid 2
1403	Transmission Solenoid 3
1404	Transmission Solenoid 4
1405	Transmission Solenoid 5
1469	Steering Motor Speed Sensor #1
1470	Steering Motor Speed Sensor #2
1471	Steering Control Position Sensor #1
1472	Steering Control Position Sensor #2
1473	Steering Control Position Sensor #3
1482	10 Volt Sensor DC Power Supply
2113	Operator In Seat Switch
2500	Powertrain Speed Range Control position Sensor
2596	Brake Pressure Modulation Solenoid
2661	Cab Air Temperature Control
2993	<Powertrain> Direction Selector Position Sensor #1
2994	<Powertrain> Direction Selector Position Sensor #2
3467	Main Power Relay
3527	Direction Selector
3642	Operator Speed Set/Recall Switch

¹ The CID is a diagnostic code that indicates which circuit is faulty.

² The MID is a diagnostic code that indicates which electronic control module diagnosed the fault.

Failure Mode Identifiers (FMI) ¹	
FMI No.	Failure Description
0	Data valid but above normal operational range.
1	Data valid but below normal operational range.
2	Data erratic, intermittent, or incorrect.
3	Voltage above normal or shorted high.
4	Voltage below normal or shorted low.
5	Current below normal or open circuit.
6	Current above normal or grounded circuit.
7	Mechanical system not responding properly.
8	Abnormal frequency, pulse width, or period.
9	Abnormal update.
10	Abnormal rate of change.
11	Failure mode not identifiable.
12	Bad device or component.
13	Out of calibration.
14	Parameter failures.
15	Parameter failures.
16	Parameter not available.
17	Module not responding.
18	Sensor supply fault.
19	Condition not met.
20	Parameter failures.

¹The FMI is a diagnostic code that indicates what type of failure has occurred.

SPECIFICATIONS AND RELATED MANUALS CHASSIS AND ENGINE WIRING



Resistor, Sender and Solenoid Specifications		
Part No.	Component Description	Resistance (Ohms) ¹
134-2540	Resistor: Accugrade 1 Accugrade 2 Accugrade Term 1 Can A 2 Hour Meter Can 2 Implement Term 1	120 ± 12
145-7028	Sender: Hydraulic Oil Temp	1000
152-8340	Solenoid: Reversing Fan	32.6 ± 1.6
152-8346	Solenoid: Quick Drop	32.6 ± 1.6
172-2392	Solenoid: Park Brake Dump Service Brake Dump	41.9 ± 2.1
174-4904	Solenoid: Brake Prop	8.7 ± 0.4
183-5106	Solenoid: A/C Clutch	17.6 ± 0.6
239-1134	Solenoid: Ether Start Aid	20
244-3114	Solenoid: First Gear Clutch Forward Clutch Reverse Clutch Second Gear Clutch Third Gear Clutch	8.7 ± 0.4
256-6453	Sender: XMSN Sump Temp	1000
269-4669	Solenoid: Demand Fan	4.26
313-7668	Solenoid: Blade Tilt Left Blade Tilt Lower Blade Tilt Raise Blade Tilt Right	5 ± 0.3
313-7668	Solenoid: Ripper Shank Lower Ripper Shank In Ripper Shank Out Ripper Shank Raise Winch Spool In Winch Spool In 2	5 ± 0.3
333-8242	Solenoid: Implement Lockout	33.75
3E-8575	Solenoid: Ripper Pin	24.9 ± 0.4
3E-9205	Solenoid: Dual Tilt	24.9 ± 0.4

¹ At room temperature unless otherwise noted.

Off-Machine Switch Specification				
Part No.	Function	Actuate	Deactuate	Contact Position
149-6371	A/C Low Pressure	103.4 ± 13.8 kPa (14.9 ± 13.8 psi)	34.5 ± 7 kPa (5 ± 1 psi)	Normally Open
134-6054	Coolant Flow	362 ± 29 mN (1.3 ± 0.1 oz)	303 mN (1.1 oz)	Normally Open
114-5333	AC High/Low Pressure	275 to 1750 kPa ¹ (39.9 to 253.8 psi)	-	Normally Open ²

¹ 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).

² Contact position at the contacts of the harness connector.

Related Electrical Service Manuals	
Title	Form Number
Cross Reference for Electrical Connectors:	REHS0970
Alternator:	SENR4130
Starting Motor:	SENR3860
Engine Control:	UENR0500

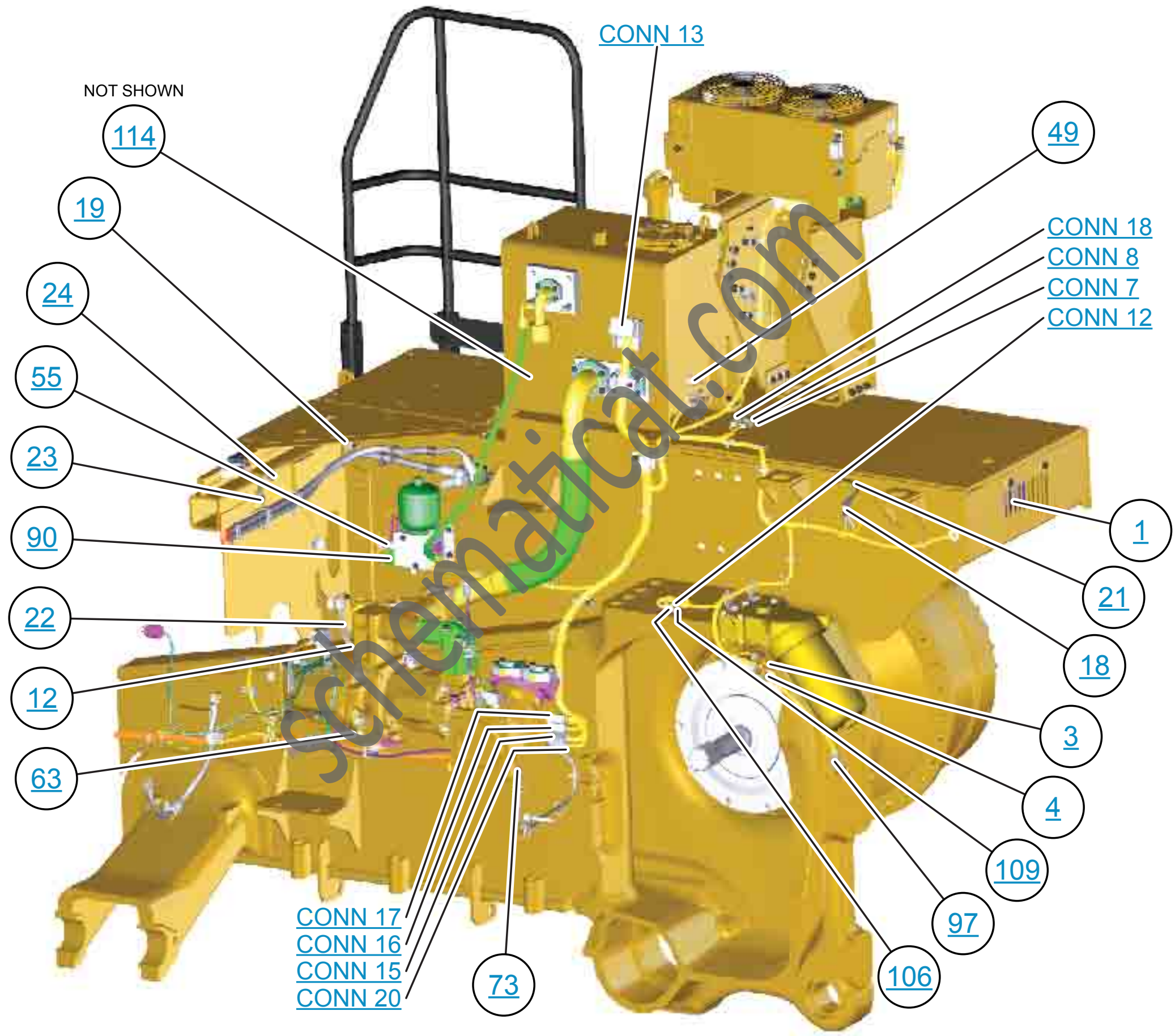
SPECIFICATIONS AND RELATED MANUALS

CAB AND PLATFORM WIRING

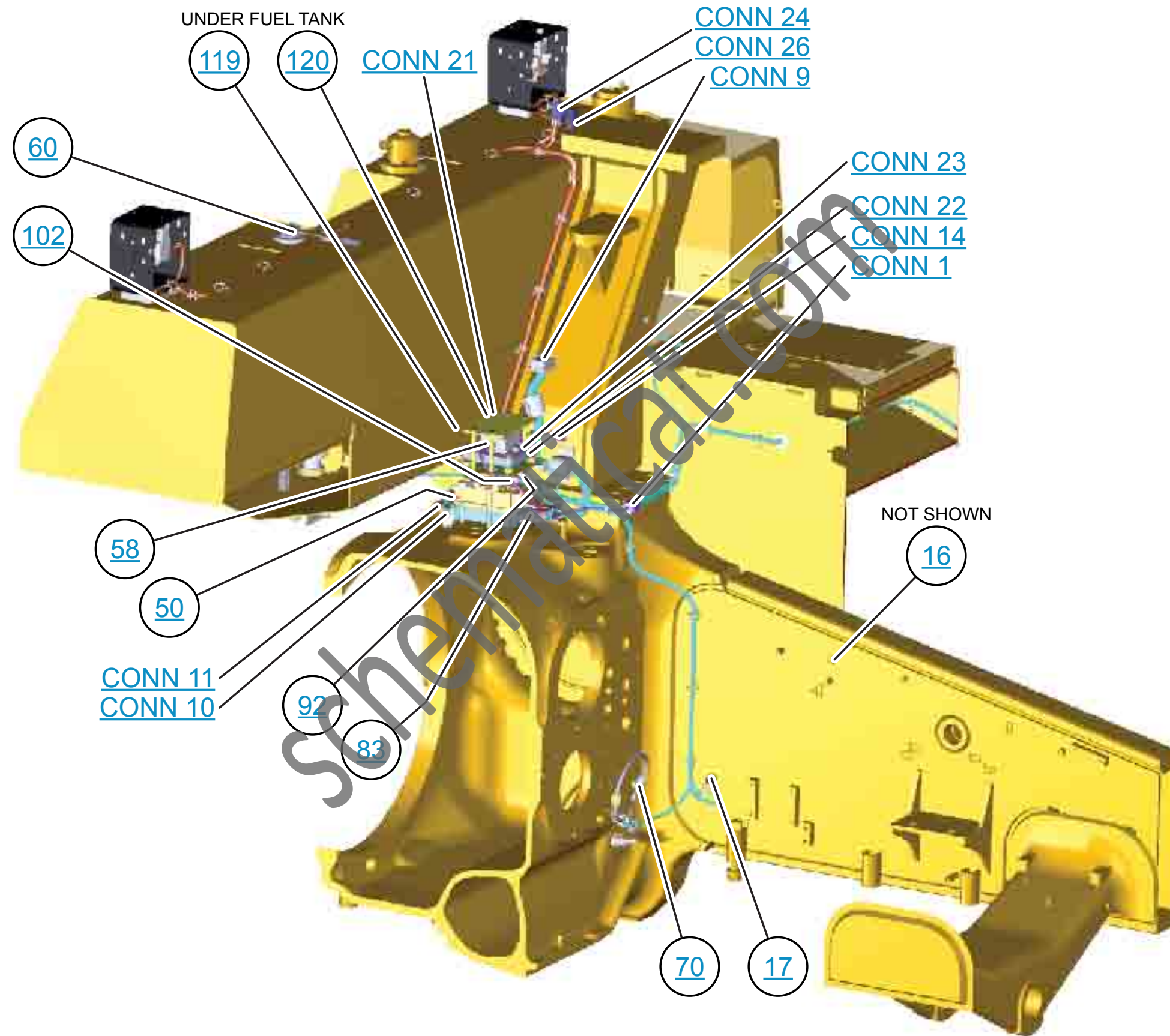


Related Electrical Service Manuals	
Title	Form Number
Cross Reference for Electrical Connectors:	REHS0970
Power Train Control:	KENR8957
Implement Control:	KENR8957
Advisor Module:	KENR8957

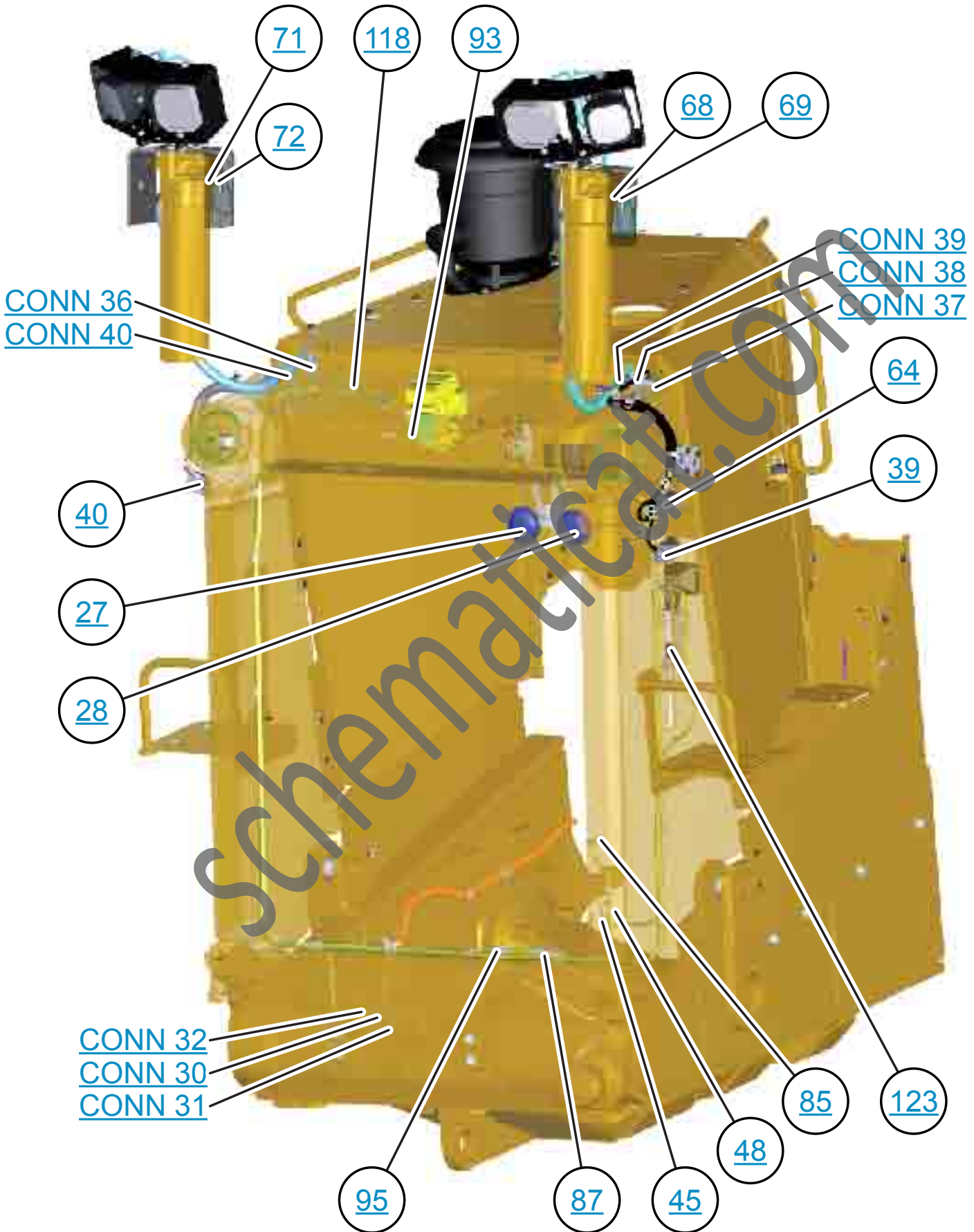
SchematicCat.com

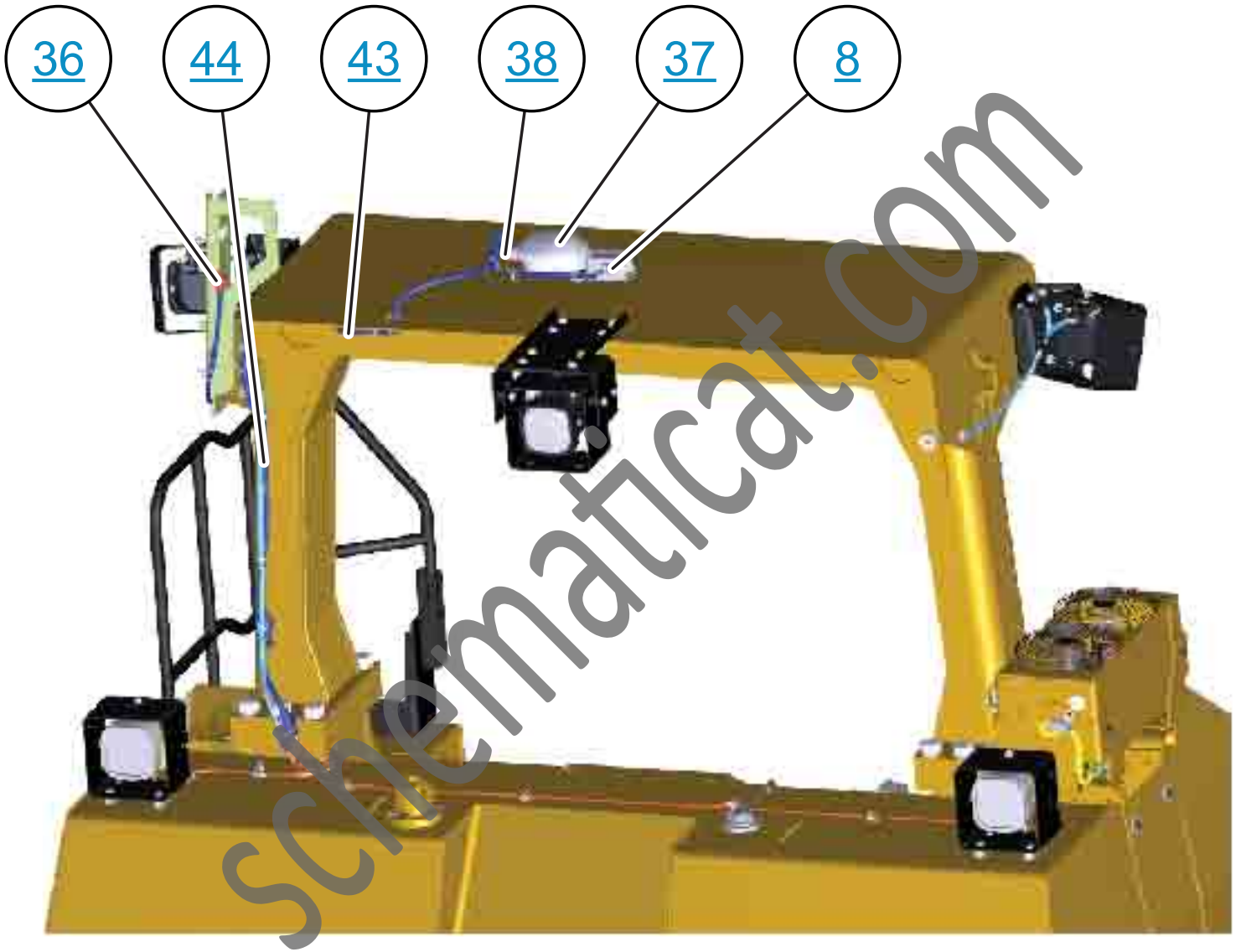


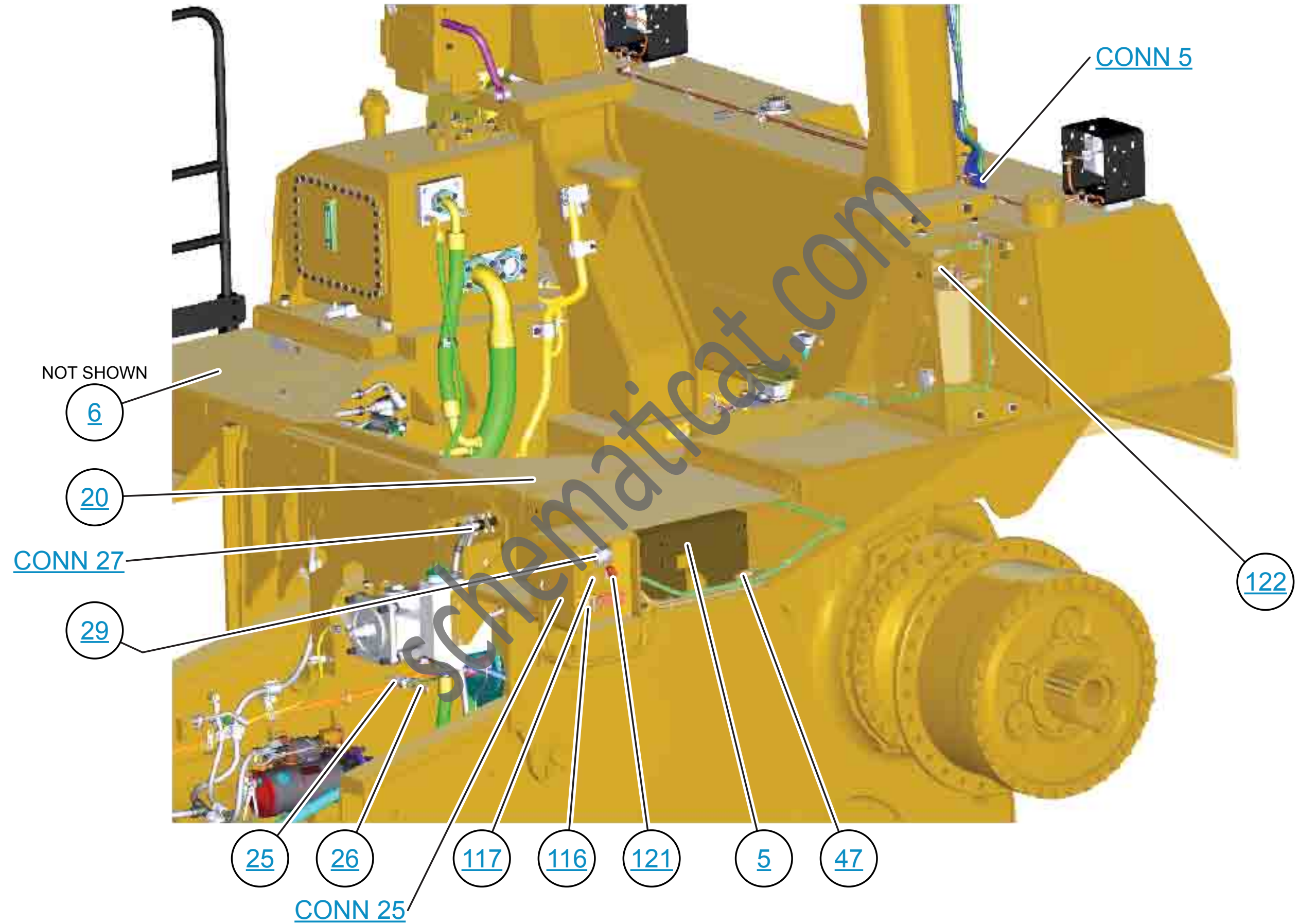
LEFT REAR FRAME WIRING

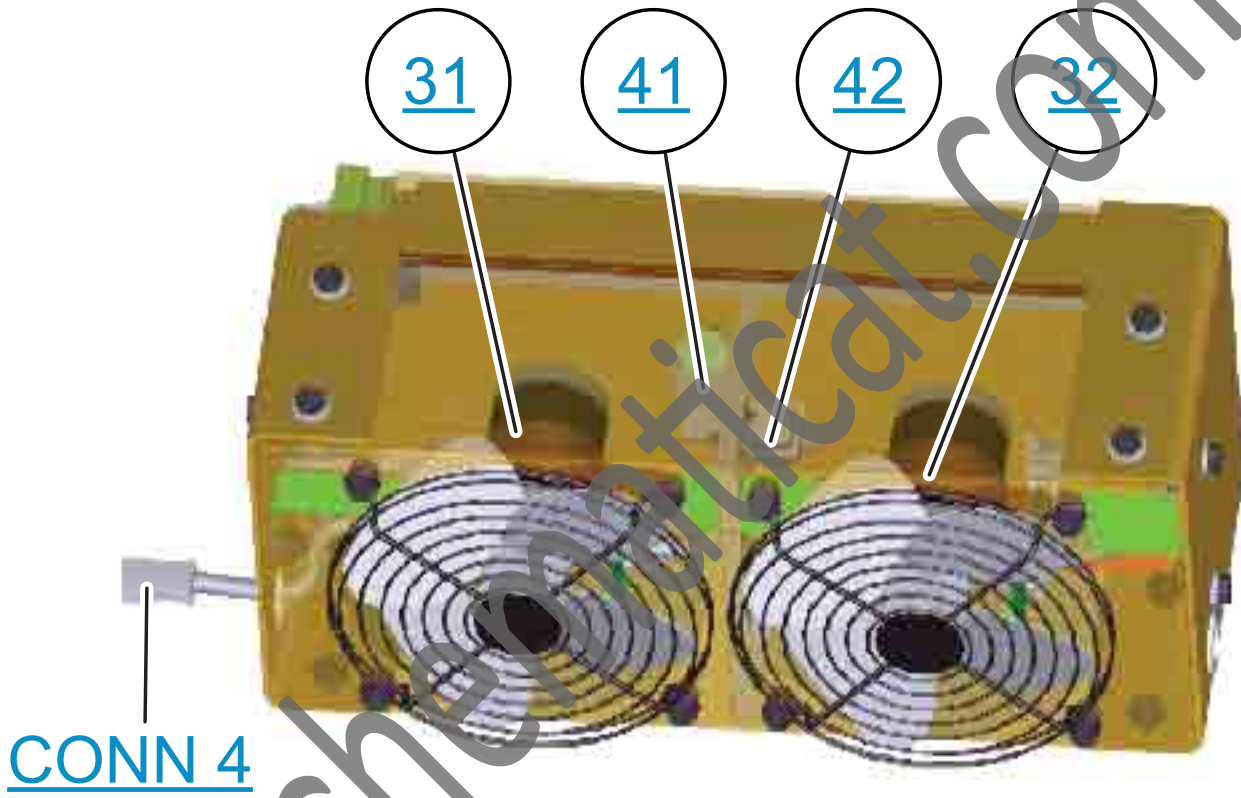


RADIATOR SUPPORT WIRING

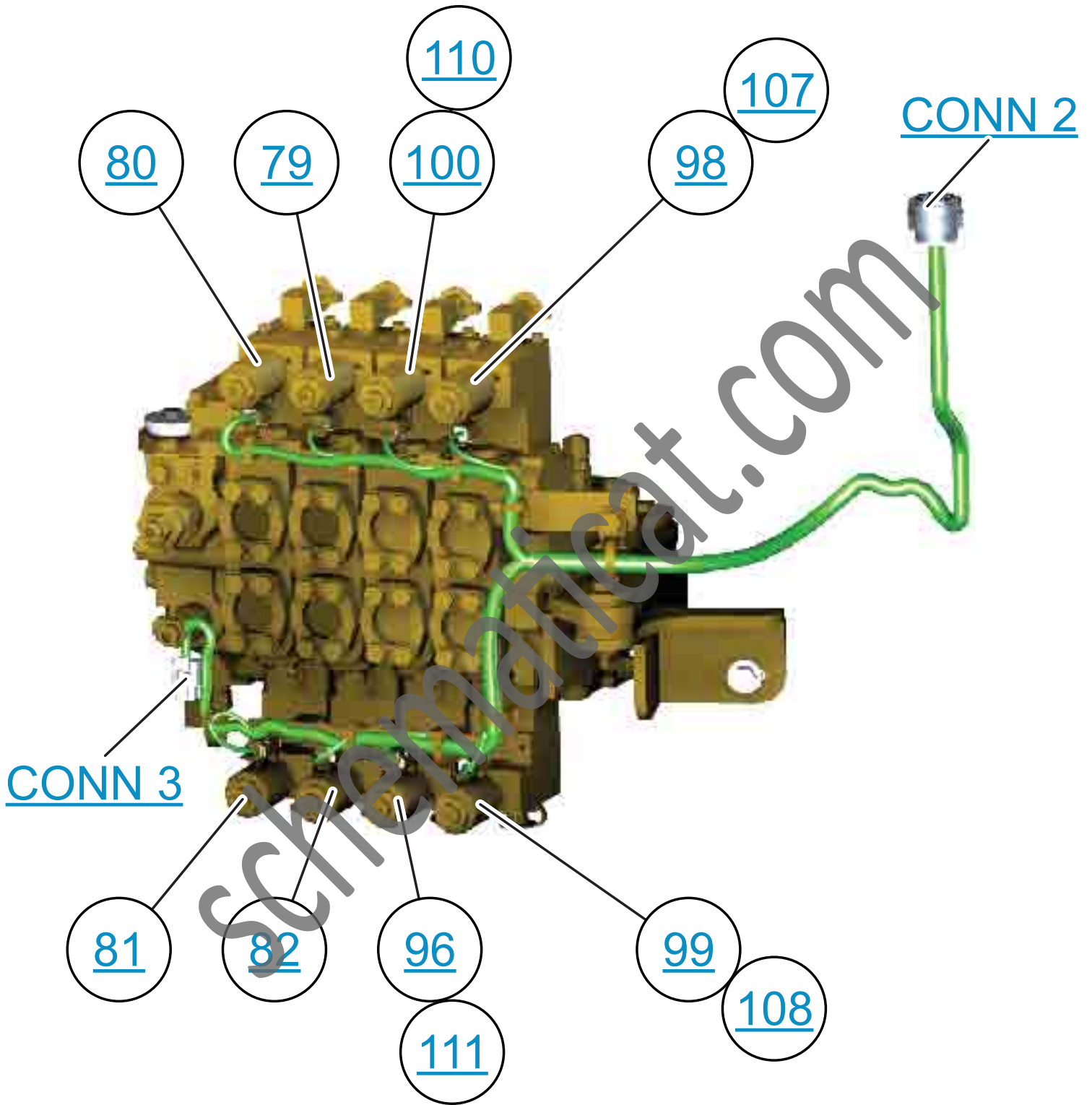


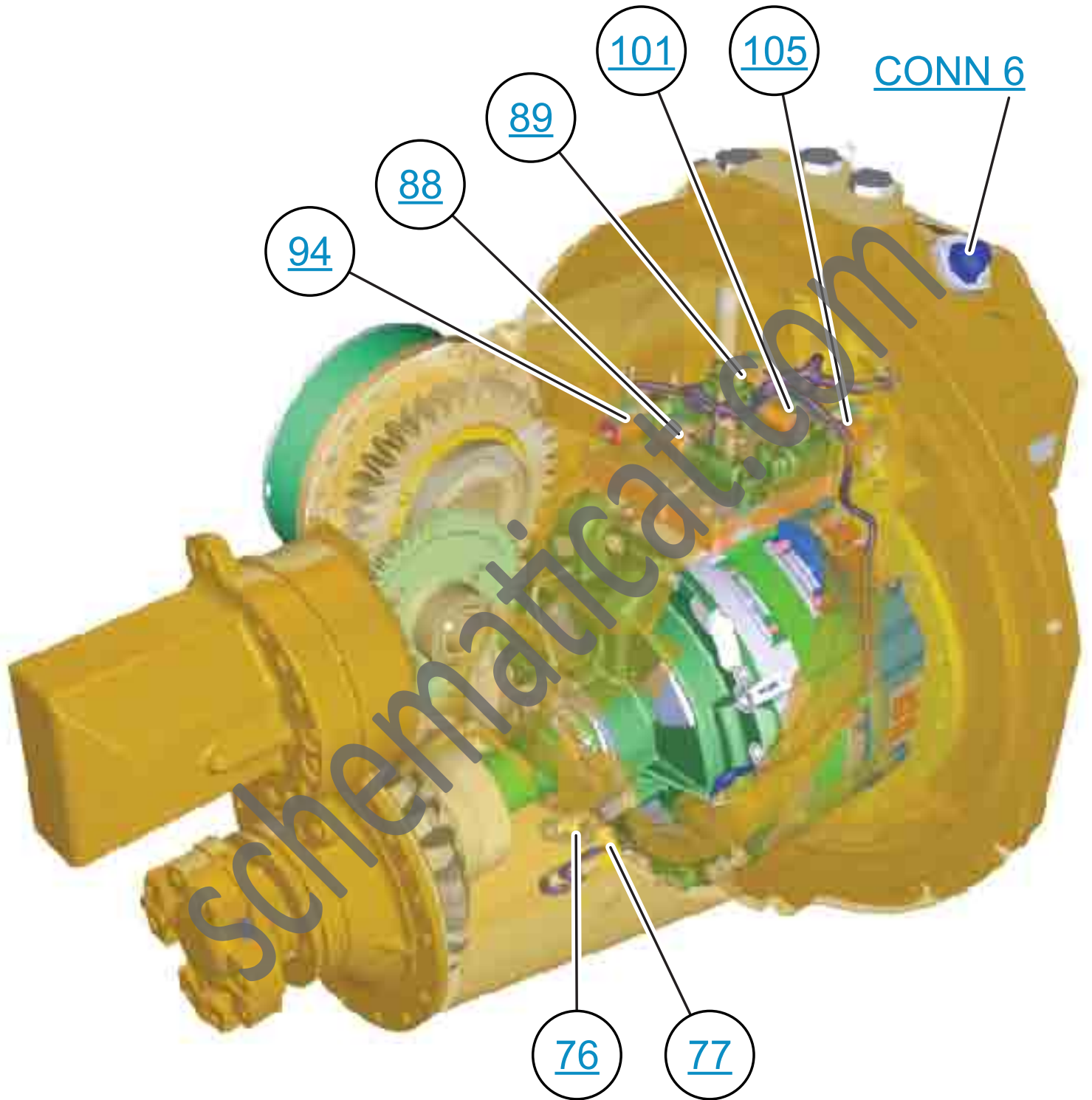




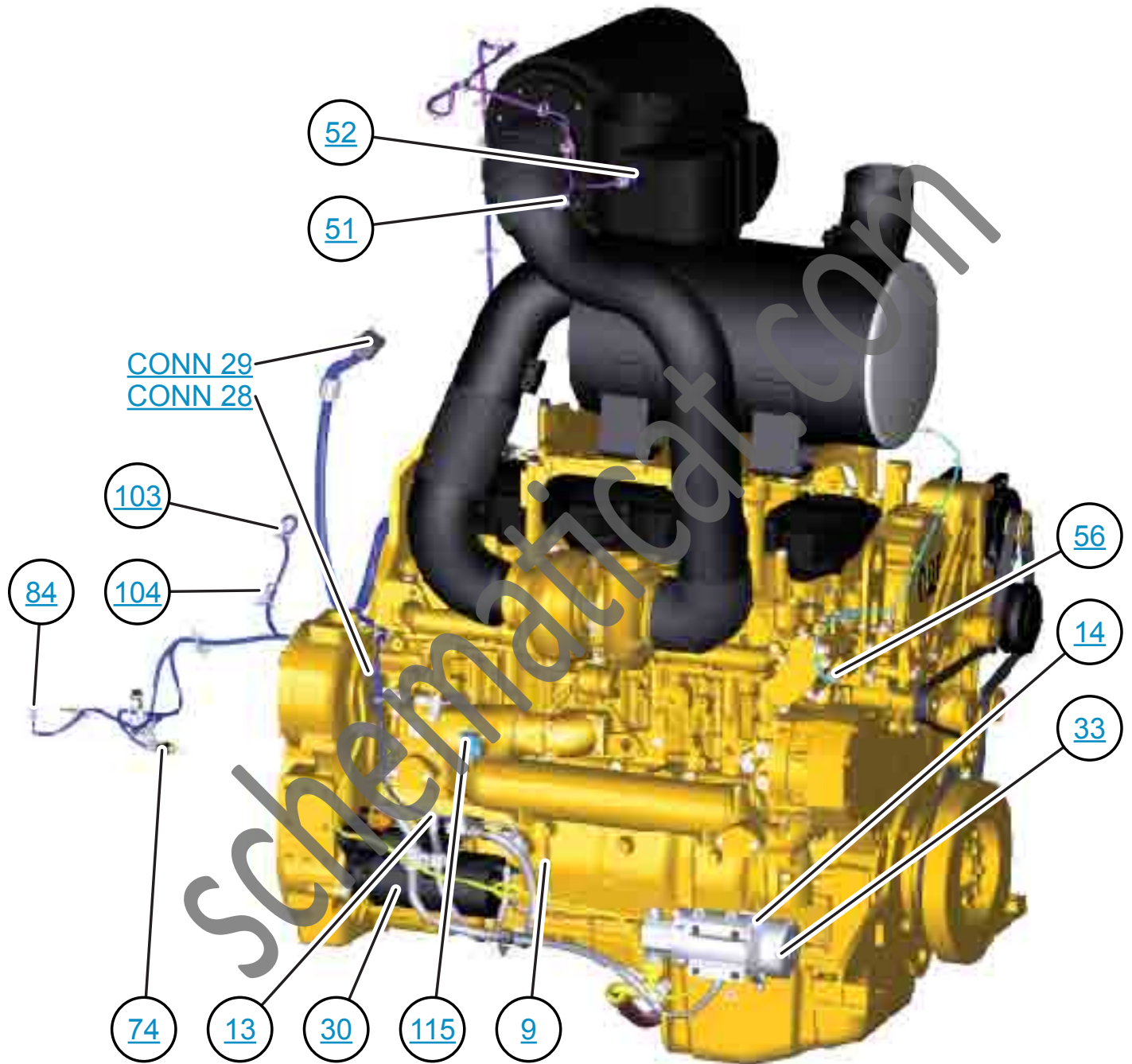


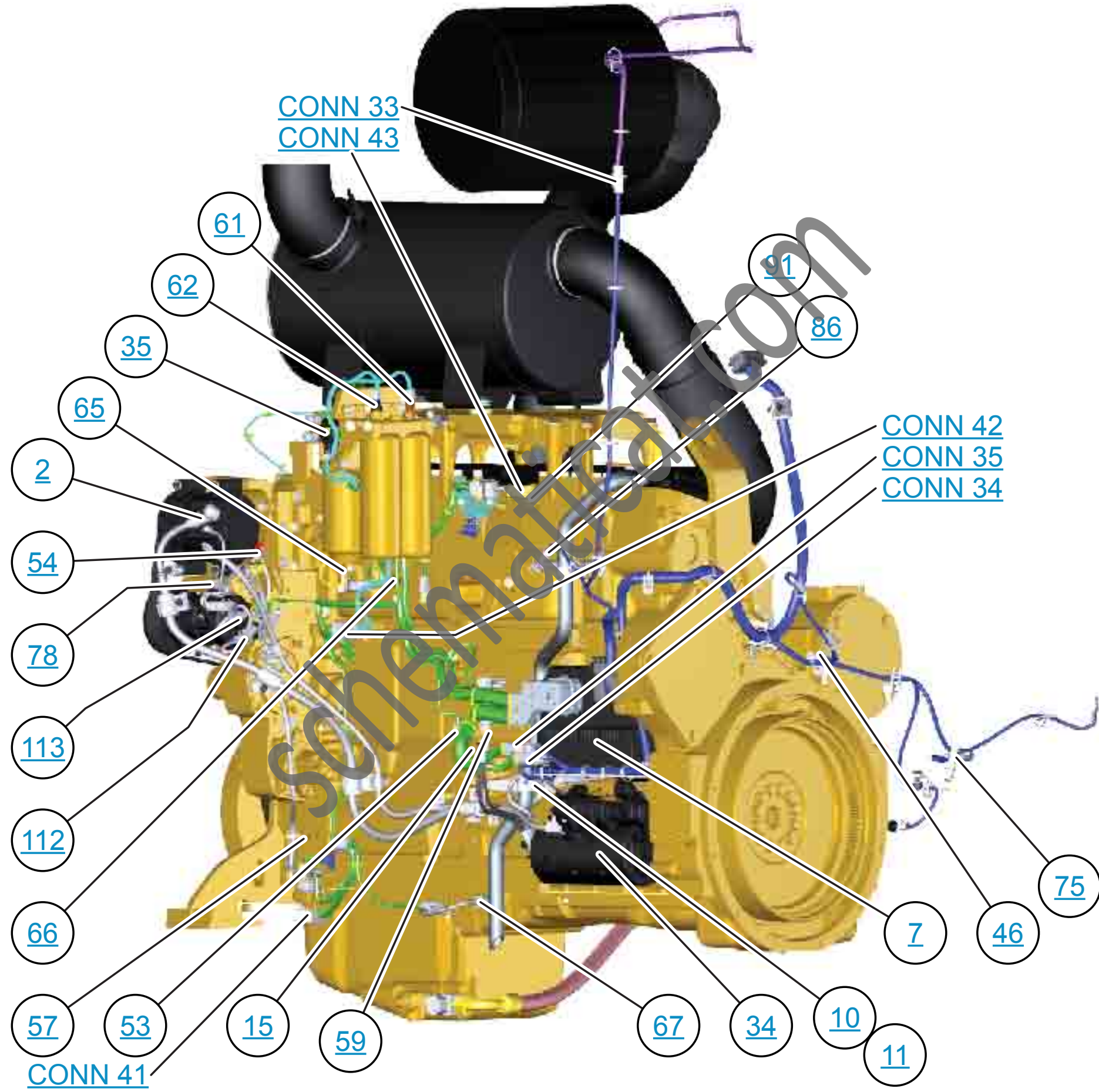
IMPLEMENT VALVE WIRING



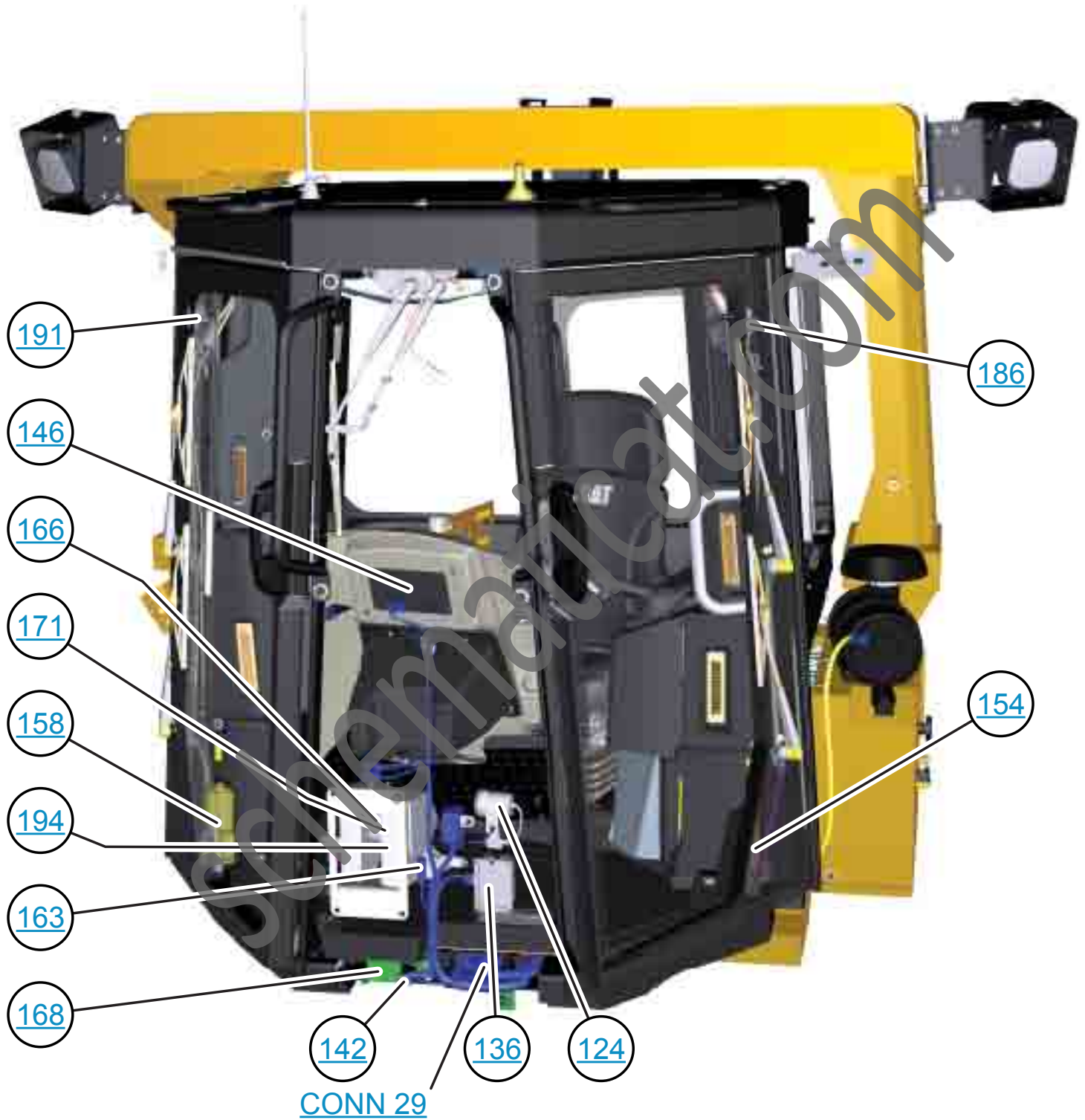


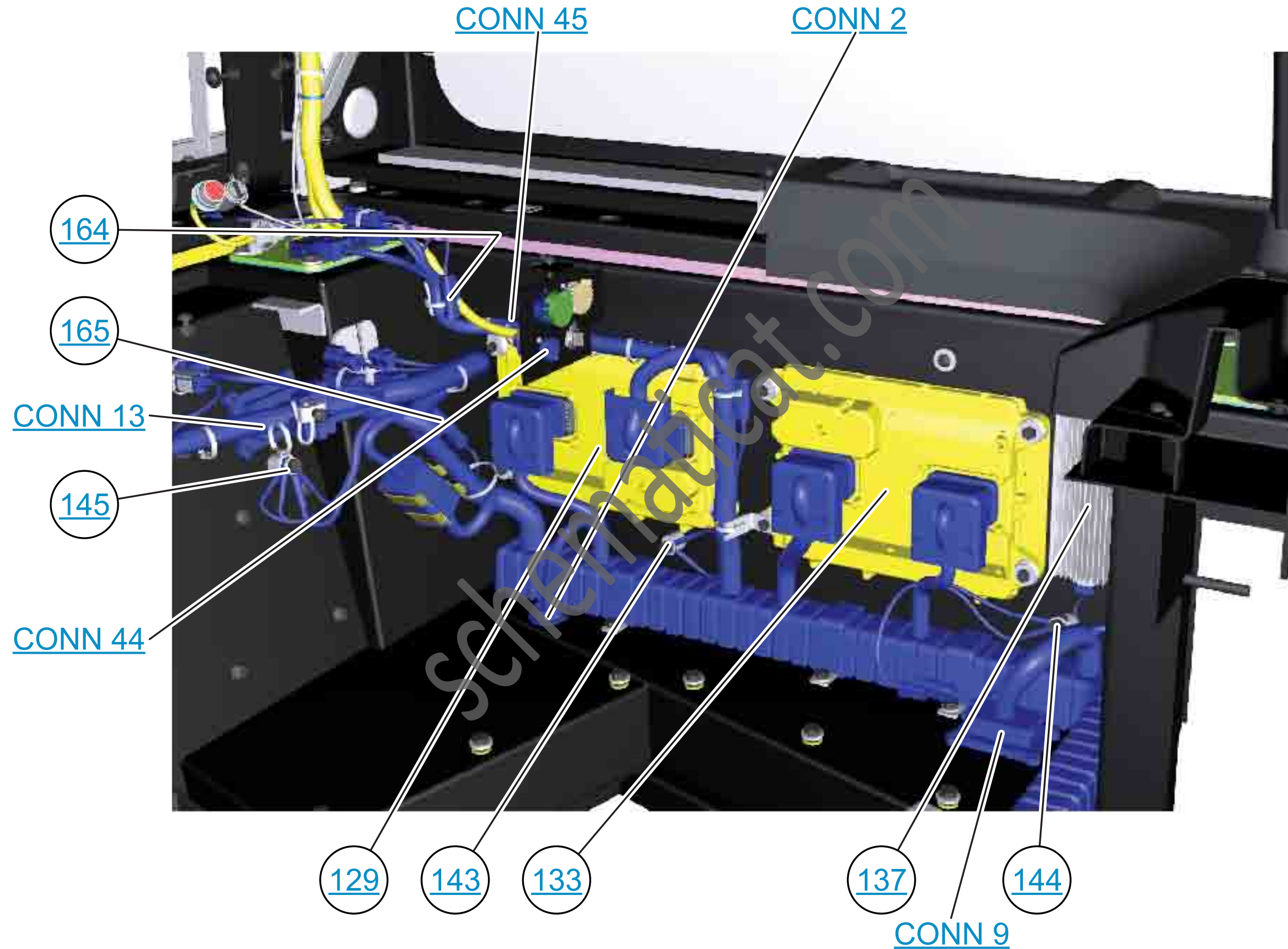
RIGHT SIDE ENGINE WIRING





CAB FRONT VIEW





LEFT HAND CAB WIRING



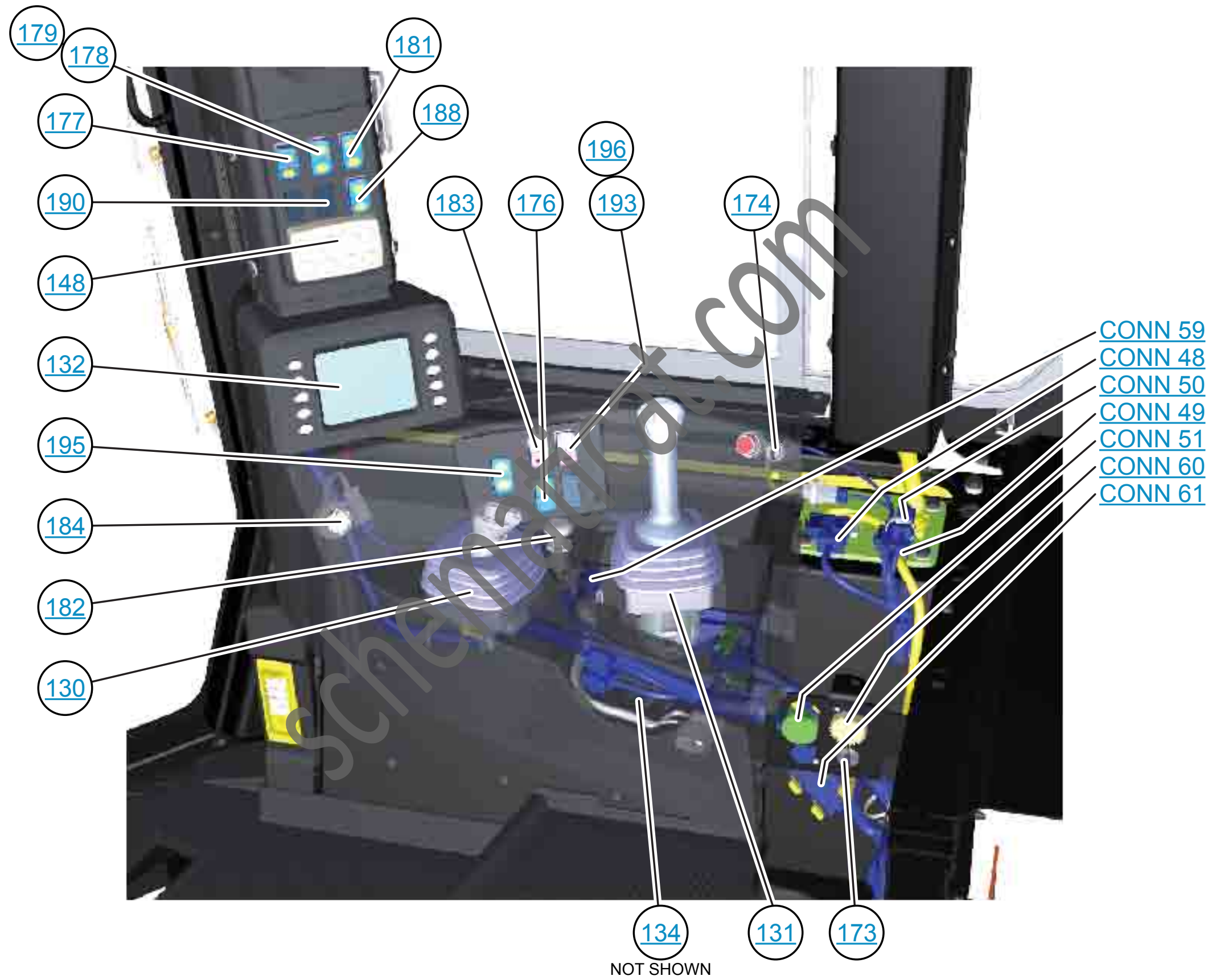
CONN 58
CONN 57
CONN 56

169 187 172 135



170 CONN 46

160 159



TOP FRONT VIEW

