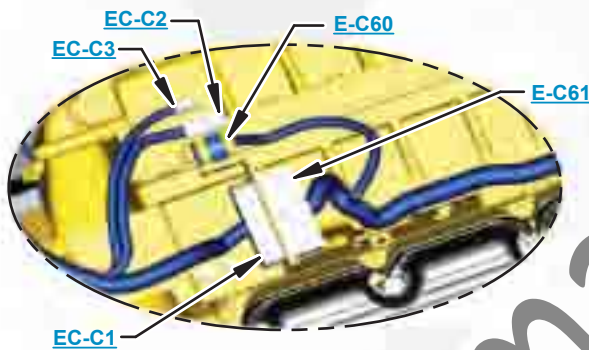


This document is best viewed at a screen resolution of 1024 X 768.

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

D8T Track-Type Tractor Electrical System

MLN1-UP
FCT1-UP

Volume 1 of 2: Engine
Volume 2 of 2: Cab and Chassis

COMPONENT LOCATION

Volume 1 of 2 - ENGINE

Page 1 of 2



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
12V Converter	J-12	1	Sensor - Steering Motor Speed	I-10	83
Actuator - ARD Air Flow Control	D-4	2	Sensor - Torque Converter Oil Temperature	C-7	84
Alarm - Backup	E-14	3	Sensor - Torque Converter Out Speed	C-7	85
Alternator	G-9	4	Sensor - Turbo Inlet Pressure	A-4	86
Batteries	H-9	5	Sender - Xmsn Output Speed #1	G-15	49
Block - Junction	H-8	6	Sender - Xmsn Output Speed #2	G-15	50
Coil - ARD Ignition	B-4	7	Solenoid - A/C Clutch	I-3	87
Controller - ARD Air Flow	D-4	239	Solenoid - ARD Fuel Flow Diverter Actuator	E-3	88
Control - Belly Guard	A-11	8	Solenoid - ARD Fuel Press. Control Actuator #1 (Pilot)	C-4	89
Control - Engine	G-7	9	Solenoid - ARD Fuel Press. Control Actuator #2 (Main)	C-4	90
Ground - Case	E-12	10	Solenoid - Brake Proportional	D-14	91
Ground - CEM	B-4	11	Solenoid - Clutch (First Gear #1)	G-15	92
Ground - Engine Block to Alternator	G-9	12	Solenoid - Clutch (Forward #2)	G-15	93
Ground - Frame	I-11	13	Solenoid - Clutch (Reverse #1)	G-15	94
Ground - Frame	I-8	14	Solenoid - Clutch (Second Gear #4)	G-15	95
Ground - Starter Motor To Block	G-8	15	Solenoid - Clutch (Third Gear #3)	G-15	96
Ground - Starter Motor To Frame	G-8	16	Solenoid - Demand Fan	D-7	97
Ground - Strap (Platform To Cab)	C-12	17	Solenoid - Dual Tilt	F-2	98
Heater - ARD Fuel Nozzle	B-5	19	Solenoid - Injectors 1-6	I-5	99
Horn - Forward (High)	G-2	20	Solenoid - NOx Flow Balance Valve Actuator	F-4	100
Horn - Forward (Low)	G-2	21	Solenoid - NOx Valve Actuator	F-4	101
Meter - Hour	J-10	22	Solenoid - Parking Brake	D-14	102
Module - Aftertreatment	C-4	23	Solenoid - Quick Drop	F-2	103
Motor - ARD Fuel Pump	D-3	24	Solenoid - Reversing Fan	G-2	104
Motor - Belly Guard (Front)	A-10	25	Solenoid - Ripper Pin	B-15	105
Motor - Belly Guard (Rear)	A-11	26	Solenoid - Service Brake Dump	D-14	106
Motor - Condenser #1	A-16	27	Solenoid - Start Aid	C-7	107
Motor - Condenser #2	A-16	28	Solenoid - Steering Pump (LH)	D-7	108
Motor - Starter	G-8	29	Solenoid - Steering Pump (RH)	D-7	109
Probe - TDC	E-4	30	Solenoid - Winch Drum Clutch Release	C-14	110
Radio - GPS Accugrade	I-12	31	Solenoid - Winch Low Speed Lock Sol	C-14	111
Radio - GPS LH Receiver (MS990C)	H-1	32	Suppressor - Arc (A)	C-15	112
Radio - GPS RH Receiver (MS990C)	E-1	33	Suppressor - Arc (B)	B-15	113
Receiver - GPS	I-12	34	Switch - A/C High Pressure	I-3	114
Receiver - GPS (MS992)	I-12	35	Switch - A/C Low Pressure	J-3	115
Receptacle - Auxiliary Start	H-8	36	Switch - Auxiliary	I-8	116
Relay - ARD Fuel Nozzle Heater	A-4	37	Switch - Coolant Flow	I-4	117
Relay - Condenser #1	A-16	38	Switch - Disconnect	I-8	118
Relay - Condenser #2	A-16	39	Switch - Ingress Lighting	I-10	119
Resistor - Accugrade Terminating #1	H-12	40	Switch - PTO Filter Bypass	B-12	120
Resistor - Accugrade Terminating #2	H-12	41	Switch - Shutdown	I-10	121
Resistor - CAN A Datalink Termination #2	A-6	42	Switch - Steering Charge Filter Bypass	A-12	122
Resistor - CAN A Datalink Termination #2	D-9	43	Switch - Underhood Work Light	G-1	123

Aftertreatment Regeneration Device (ARD)
 Diesel Particulate Filter (DPF)
 NOx Reduction System (NOx)

COMPONENT LOCATION

Volume 1 of 2 - ENGINE

Page 2 of 2



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Resistor - CAN B Datalink Termination 1	G-2	44	Valve - Implement (3 Valve)		
Resistor - CAN D Datalink Termination 2	D-2	45	Sensor - Charge Pressure	F-16	124
Resistor - Hourmeter Terminating	I-10	46	Sensor - Implement Pump Oil Pressure	F-16	125
Resistor - Terminating (Engine)	G-4	47	Solenoid - Blade (Lower)	F-16	126
Sender - Hydraulic Oil Temperature	A-12	48	Solenoid - Blade (Raise)	F-16	127
Sender - Xmsn Sump Temperature	B-12	51	Solenoid - Blade Tilt (Left)	G-16	128
Sensor - Aftertreatment Intake Sensor	C-4	52	Solenoid - Blade Tilt (Right)	G-16	129
Sensor - Aftertreatment Secondary Air Press.	B-4	53	Solenoid - Implement Lockout	F-16	130
Sensor - Air Inlet Pressure	A-4	54	Solenoid - Winch Spool (In)	G-16	131
Sensor - Angle	H-1	55	Solenoid - Winch Spool (Out)	G-16	132
Sensor - ARD Fuel Pressure #1 (Pilot)	C-4	56	Valve - Implement (4 Valve)		
Sensor - ARD Fuel Pressure #2 (Main)	B-4	57	Sensor - Charge Pressure	D-16	133
Sensor - Barometric Pressure	F-4	58	Sensor - Implement Pump Oil Pressure	D-16	134
Sensor - Charge Air Cool Out Temperature	F-3	60	Solenoid - Blade (Lower)	E-16	135
Sensor - Coolant Level	H-2	61	Solenoid - Blade (Raise)	E-16	136
Sensor - Coolant Temperature	I-4	62	Solenoid - Blade Tilt (Left)	E-16	137
Sensor - Crankcase Pressure	F-4	63	Solenoid - Blade Tilt (Right)	D-16	138
Sensor - Cylinder Position (LH)	I-1	64	Solenoid - Implement Lockout	D-16	139
Sensor - Cylinder Position (LH) ATCH	J-1	65	Solenoid - Ripper Shank (In)	E-16	140
Sensor - Cylinder Position (RH)	E-1	66	Solenoid - Ripper Shank (Lower)	E-16	141
Sensor - Cylinder Position (RH) ATCH	D-1	67	Solenoid - Ripper Shank (Out)	E-16	142
Sensor - DPF Differential Pressure	A-4	68	Solenoid - Ripper Shank (Raise)	E-16	143
Sensor - DPF Intake Pressure	B-4	69	Valve - 3rd Function Hydraulic Rear (5 Valve)		
Sensor - Engine Oil Level	I-3	70	Sensor - Charge Pressure	B-16	144
Sensor - Engine Oil Pressure	F-4	71	Sensor - Implement Pump Oil Pressure	B-16	145
Sensor - Engine Speed #1 (CRANK)	F-4	72	Solenoid - 3rd Function Hydraulic Rear #1	C-16	146
Sensor - Engine Speed #2 (CAM)	F-4	73	Solenoid - 3rd Function Hydraulic Rear #2	C-16	147
Sensor, Fuel Level	B-14	74	Solenoid - 3rd Function Hydraulic Rear #3	C-16	148
Sensor - Fuel Pressure After Filter	E-3	75	Solenoid - 3rd Function Hydraulic Rear #4	C-16	149
Sensor - Fuel Temperature	E-3	76	Solenoid - 3rd Function Hydraulic Rear #5	B-16	150
Sensor - Inclination	E-15	77	Solenoid - 3rd Function Hydraulic Rear #6	B-16	151
Sensor - Intake Manifold Pressure	F-4	78	Solenoid - Blade (Lower)	C-16	152
Sensor - NOx Differential Pressure	F-4	79	Solenoid - Blade (Raise)	D-16	153
Sensor - NOx Intake Pressure	F-4	80	Solenoid - Blade Tilt (Left)	C-16	154
Sensor - NOx Temperature	F-4	81	Solenoid - Blade Tilt (Right)	C-16	155
Sensor - PTO Level	D-14	82	Solenoid - Implement Lockout	B-16	156
Sensor - Soot	H-7	59			

Aftertreatment Regeneration Device (ARD)

Diesel Particulate Filter (DPF)

NOx Reduction System (NOx)

COMPONENT LOCATION

Volume 2 of 2 - CAB AND CHASSIS



Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Alarm - Action	I-3	157	Motor - Wiper (Right)	D-2	198
Alarm - CAES	H-2	158	Outlet - 12V #1	A-7	199
Battery Backup	J-1	159	Outlet - 12V #2	B-7	200
Control - HVAC	F-2	160	Relay - Main	J-11	201
Control - Implement	E-16	161	Resistor - Blower	I-13	202
Control - Navigator (CAES)	J-1	162	Resistor - CAN Datalink Terminating A1	F-9	203
Control - Powertrain	I-16	163	Resistor - CAN Datalink Terminating C2	H-3	204
Control - Product Link	C-1	164	Resistor - HVAC Sensor Loop	A-14	205
Converter - 20A	H-5	165	Resistor - Terminating Hourmeter	I-16	206
Converter - 24V To 12V (10A)	G-3	166	Sensor - Decelerator Pedal	I-3	207
Display - Accugrade (CD700)	G-1	167	Sensor - Evaporator Freeze Probe	J-13	208
Display - Instrument Cluster	J-3	168	Sensor - Inclination	I-3	209
Fuse - Alternator	J-10	169	Sensor - Louvre Temperature	J-9	210
Fuse - Block	H-11	170	Sensor - Recirculating Filter Temperature	J-13	211
Fuse - Thermal	J-13	171	Sensor - Service Brake	I-3	212
Ground - Beam	G-5	172	Sensor - Steering (Box)	H-7	213
Ground - Cab	E-4	173	Switch - A/C	F-2	214
Ground - Left Rear #1	E-12	174	Switch - Auto Downshift	D-8	215
Ground - Left Rear #2	E-12	175	Switch - Cylinder Lamp	D-9	216
Ground - Platform	A-7	176	Switch - Door (LH)	D-2	217
Ground - Strap (Platform To Cab)	E-5	176	Switch - Door (RH)	C-2	218
Handle - 3rd Auxiliary	A-10	177	Switch - Forward Horn	B-7	219
Handle - Ripper Control	A-9	178	Switch - Fuel Tank Lamp	D-9	220
Handle - Ripper w/Auto Control	A-8	179	Switch - Implement Lockout	C-8	221
Handle - Steering	I-7	180	Switch - Intermittent Wiper (Front)	D-4	222
Joystick - Implement Control	B-8	181	Switch - Intermittent Wiper (Left)	D-4	223
Joystick - Winch Control	E-9	182	Switch - Intermittent Wiper (Rear)	D-4	224
Keypad - Auto Blade Assist	E-8	183	Switch - Intermittent Wiper (Right)	D-4	225
Lightbar - GPS (Left)	F-1	184	Switch - Key	A-7	226
Lightbar - GPS (Middle)	F-1	185	Switch - Operator Present	B-14	227
Lightbar - GPS (Right)	F-1	186	Switch - Parking Brake	H-8	228
Monitor - Advisor	B-5	187	Switch - Regeneration	E-9	229
Motor - Blower	J-14	188	Switch - Reversing Fan	D-9	230
Motor - Pressurizer	J-11	189	Switch - Ripper Pin Puller	C-8	231
Motor - Seat Compressor	B-14	190	Switch - ROPS Lamp (Forward)	C-9	232
Motor - Washer (Front)	F-4	191	Switch - ROPS Lamp (Rear)	C-9	233
Motor - Washer (Left)	F-4	192	Switch - Seat	B-14	234
Motor - Washer (Rear)	E-4	193	Switch - Service Brake	J-3	235
Motor - Washer (Right)	F-4	194	Switch - Throttle	C-7	236
Motor - Wiper (Front)	C-2	195	Switch - Winch Lockout	D-8	237
Motor - Wiper (Left)	D-2	196	Water Valve	J-13	238
Motor - Wiper (Rear)	D-2	197			

CONNECTOR LOCATION

Volume 1 of 2 - ENGINE



Connector Number	Schematic Location
CONN 1	D-12
CONN 2	E-11
CONN 3	E-9
CONN 4	A-15
CONN 5	C-15, E-15, G-15
CONN 6	A-14
CONN 7	A-14, B-14
CONN 8	C-14
CONN 9	C-14
CONN 10	E-14
CONN 11	E-14
CONN 12	E-14
CONN 13	E-14
CONN 14	G-13
CONN 15	I-13
CONN 16	G-12
CONN 17	G-12
CONN 18	B-11
CONN 19	I-10
CONN 20	J-10
CONN 21	H-7
CONN 22	J-7
CONN 23	J-7
CONN 24	J-7
CONN 25	B-6
CONN 26	I-6
CONN 27	I-6
CONN 28	E-5
CONN 29	G-4
CONN 30	H-4
CONN 31	D-2, E-2
CONN 32	F-2
CONN 33	G-2
CONN 34	I-2
CONN 35	I-3
CONN 36	I-2, J-2
CONN 60	I-5

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

Volume 2 of 2 - CAB AND CHASSIS



Connector Number	Schematic Location
CONN 1	H-14
CONN 2	D-5
CONN 3	I-5
CONN 5	G-14
CONN 37	B-14
CONN 38	J-14
CONN 39	J-12
CONN 40	C-8
CONN 41	H-9
CONN 42	I-9
CONN 43	A-7
CONN 44	A-7
CONN 45	H-8
CONN 46	B-4
CONN 47	B-4
CONN 48	C-4
CONN 49	B-3
CONN 50	B-2
CONN 51	B-2
CONN 52	D-2
CONN 53	D-2
CONN 54	G-2, H-3, I-2
CONN 55	G-2, H-3, I-2
CONN 56	F-2
CONN 57	H-2
CONN 58	I-2
CONN 59	F-4

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.

SPECIFICATIONS AND RELATED MANUALS

Volume 1 of 2 - ENGINE



Resistor and Solenoid Specifications (Volume 1)		
Part No.	Component Description	Resistance (Ohms) ¹
134-2540	Resistor: Termination Engine Termination Hour Meter Termination Accugrade #1 Termination Accugrade #2 Termination CAN A #2 Termination CAN D #2	120 ± 10%
152-8340	Solenoid: Reversing Fan	32.6 ± 1.6
172-2392	Solenoid: Parking Brake Dump Service Brake Dump	41.9 ± 2.1
174-4909	Solenoid: Brake Proportional	8.7 ± 0.4
239-1134	Solenoid: Start Aid	20
244-3114	Solenoid: Reverse Clutch #1 Forward Clutch #2 Third Gear Speed Clutch #3 Second Gear Speed Clutch #4 First Gear Speed Clutch #5	8.7 ± 0.4
269-4669	Solenoid: Demand Fan	4.26
285-5628	Solenoid: Quick Drop	26.96 ± 1.35
300-3554	Solenoid: ARD Fuel Flow Diverter Actuator	3.1 ± 2.4
309-4101	Solenoid: Nox Valve Actuator	2.95 ± 0.2
313-7668	Solenoid: Blade (Lower) Blade (Raise) Blade Tilt (Left) Blade Tilt (Right) Winch Spool (In) Winch Spool (Out) Ripper Shank (In) Ripper Shank (Lower) Ripper Shank (Out) Ripper Shank (Raise) 3rd Function Hydraulic Rear #1 3rd Function Hydraulic Rear #2 3rd Function Hydraulic Rear #3 3rd Function Hydraulic Rear #4 3rd Function Hydraulic Rear #5 3rd Function Hydraulic Rear #6	5 ± 0.3
333-8242	Solenoid: Implement Lockout	33.75 ± 5%
344-6043	Solenoid: Nox Flow Balance Valve Actuator	235
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.

Related Electrical Service Manuals		
	Title	Form Number
	Cross Reference for Electrical Connectors:	REHS0970
	Alternator: 272-1889	SEN4130
	Starting Motor: 349-8530	SEN3860
	Engine Control:	KENR6872
	VIMS Control:	KENR8958
	Implement Control:	KENR8957
	Power Train Control:	KENR8957
	Advisor Module:	KENR8957

Off-Machine Switch Specification (Volume 1)				
Part No.	Function	Actuate	Deactuate	Contact Position
114-5333	A/C High/Low Pressure	275 to 1750 kPa ¹ (39.9 to 253.8 psi)		Normally Open ²
134-6054	Coolant Flow	362 ± 29 mN (1.3 ± 0.1 oz)	303 mN (1.1 oz MIN)	Normally Open ²
149-6371	A/C Low Pressure	103.4 ± 13.8 kPa (15 ± 2 psi)	34.5 ± 7 kPa (5 ± 1 psi)	Normally Open
227-6744	Steering Filter Pressure Bypass	293 ± 35 kPa @ 21 ± 3°C (42.4 ± 5 psi @ 69 ± 37°F) 276 ± 28 kPa @ 100 ± 3°C (40 ± 4 psi @ 212 ± 37°F)	179 kPa MIN (25.9 psi MIN)	Normally Closed

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.

³ Force is applied at point X on the paddle.

SPECIFICATIONS AND RELATED MANUALS

Volume 2 of 2 - CAB AND CHASSIS



Related Electrical Service Manuals	
Title	Form Number
Cross Reference for Electrical Connectors:	REHS0970
Alternator: 272-1889	SENR4130
Starting Motor: 349-8530	SENR3860
Engine Control:	KENR8872
VIMS Control:	KENR8958
Implement Control:	KENR8957
Power Train Control:	KENR8957
Advisor Module:	KENR8957

Part No.	Component Description	Resistance (Ohms) ¹
228-4982	Resistor: HVAC Sensor Loop	150 ± 5%
134-2540	Resistor: Terminating Hour Meter Terminating CAN Data Link A1 Terminating CAN Data Link C2	120 ± 10%
257-5029	Resistor: Blower	Low - Medium #1: 1.3 Medium #1 - Medium #2: 0.8 Medium #2 - High: 0.4

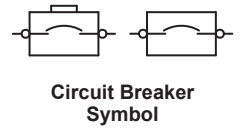
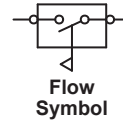
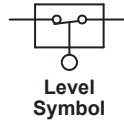
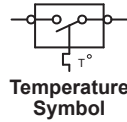
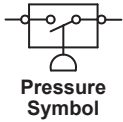
¹ At room temperature unless otherwise noted.

HARNESS and WIRE

Electrical Schematic Symbols



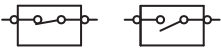
Symbols



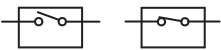
Symbols and Definitions



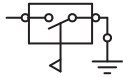
Fuse: A component in an electrical circuit that will open the circuit if too much current flows through it.



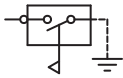
Switch (Normally Open): A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has screw terminals and a wire can be disconnected from it.



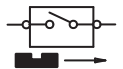
Switch (Normally Closed): A switch that will open at a specified point (temp, press, etc.). No circle indicates that the wire cannot be disconnected from the component.



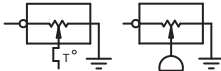
Ground (Wired): This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.



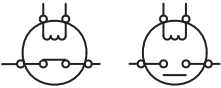
Ground (Case): This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.



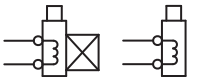
Reed Switch: A switch whose contacts are controlled by a magnet. A magnet closes the contacts of a normally open reed switch; it opens the contacts of a normally closed reed switch.



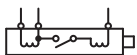
Sender: A component that is used with a temperature or pressure gauge. The sender measures the temperature or pressure. Its resistance changes to give an indication to the gauge of the temperature or pressure.



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.



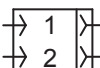
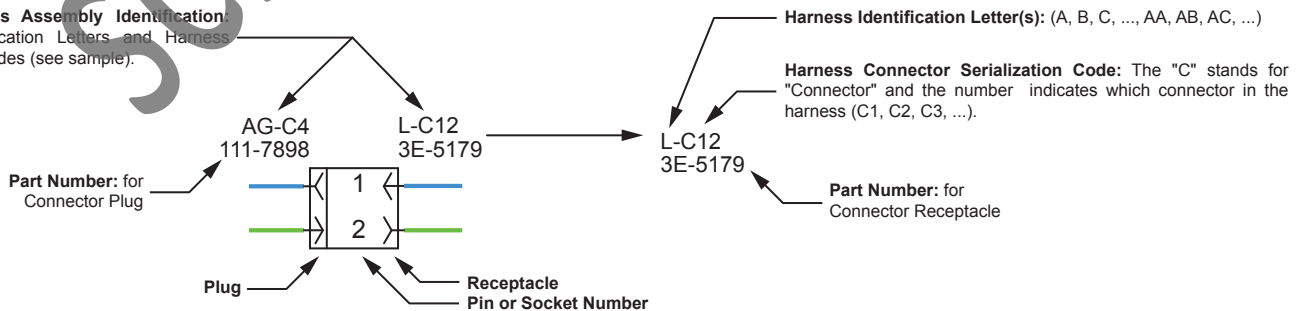
Solenoid: A solenoid is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close a valve or move a piece of metal that can do work.



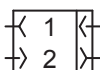
Magnetic Latch Solenoid: A magnetic latch solenoid is an electrical component that is activated by electricity and held latched by a permanent magnet. It has two coils (latch and unlatch) that make electromagnet when current flows through them. It also has an internal switch that places the latch coil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

Harness and Wire Symbols

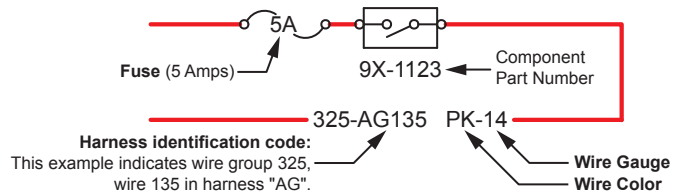
Wire, Cable, or Harness Assembly Identification: Includes Harness Identification Letters and Harness Connector Serialization Codes (see sample).

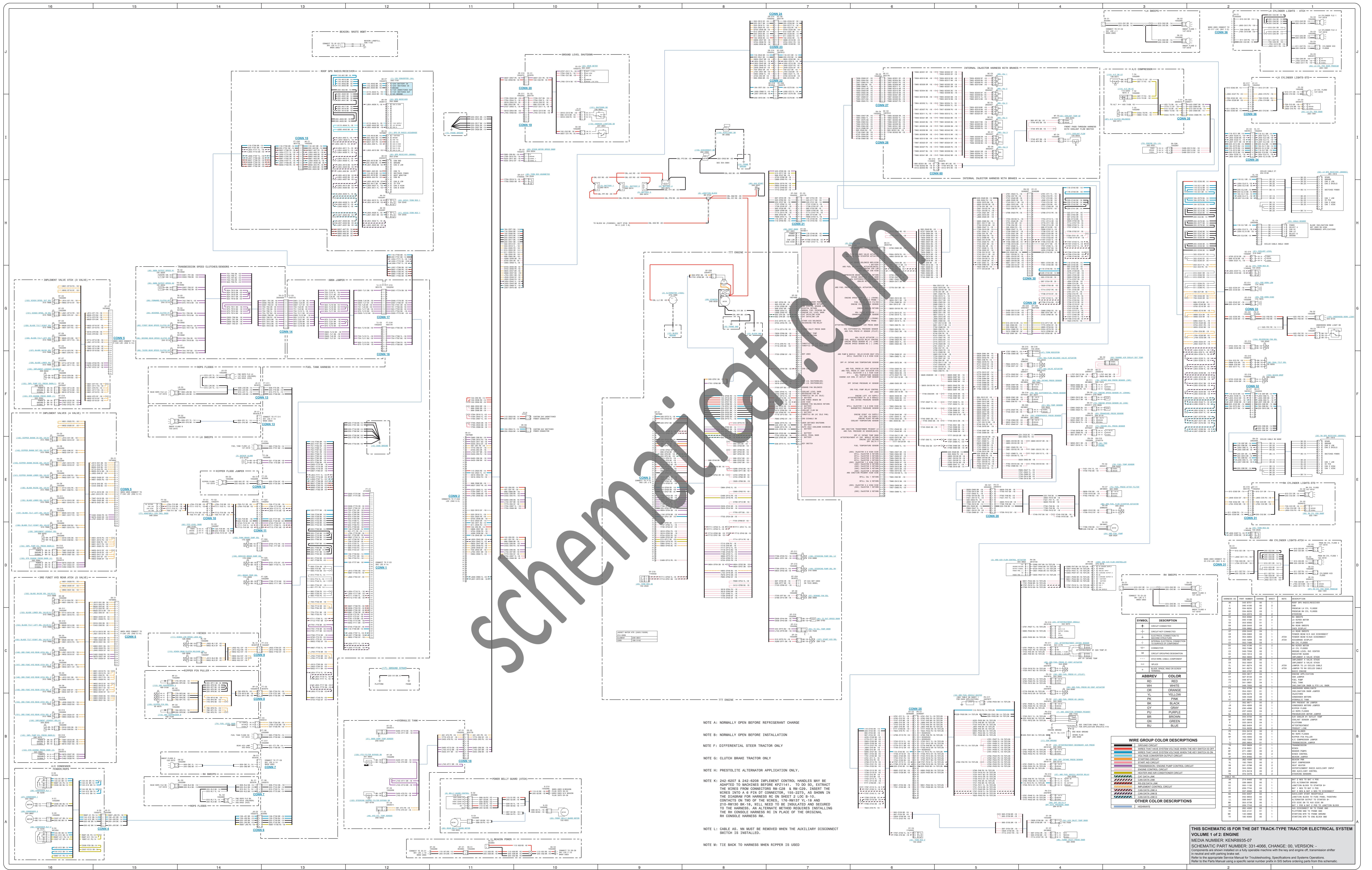


Deutsch connector: Typical representation of a Deutsch connector. The plug contains all sockets and the receptacle contains all pins.



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





NOTE A: NORMALLY OPEN BEFORE REFRIGERANT CHARGE

NOTE B: NORMALLY OPEN BEFORE INSTALLATION

NOTE F: DIFFERENTIAL STEER TRACTOR ONLY

NOTE G: CLUTCH BRAKE TRACTOR ONLY

NOTE H: PRESTOLITE ALTERNATOR APPLICATION ONLY.

NOTE K: 242-6207 & 242-6208 IMPLEMENT CONTROL HANDLES MAY BE ADAPTED TO MACHINES BEFORE KP2141. TO DO SO, EXTRACT THE WIRES FROM CONNECTORS RN-02B & RN-02C. INSERT THE CONTACTS ON TWO OF THE WIRES, 179-96137 VL-18 AND 210-99150 BK-19. WELLS NEED TO BE INSULATED AND SECURED TO THE HARNESS. AN ALTERNATE METHOD REQUIRED INSTALLING THE RN CONSOLE HARNESS IN PLACE OF THE ORIGINAL RH CONSOLE HARNESS RM.

NOTE L: CABLE AS. RN MUST BE REMOVED WHEN THE AUXILIARY DISCONNECT SWITCH IS INSTALLED.

NOTE M: TIE BACK TO HARNESS WHEN RIPPER IS USED

SYMBOL	DESCRIPTION
(+)	CIRCUIT CONNECTED
(-)	CIRCUIT DISCONNECTED
(C)	ELECTRICAL CONNECTION TO
(K)	METER
(R)	RESISTANCE CONNECTION
(S)	SIGNAL CONNECTION
(T)	TERMINAL CONNECTION
(W)	WIRE
(X)	WIRE
(Y)	WIRE
(Z)	WIRE

ABBREVIATION	COLOR
RD	RED
WH	WHITE
OR	ORANGE
YL	YELLOW
GRN	GREEN
BK	BLACK
GRY	GRAY
PUR	PURPLE
BRN	BROWN
GN	GREEN
BLU	BLUE

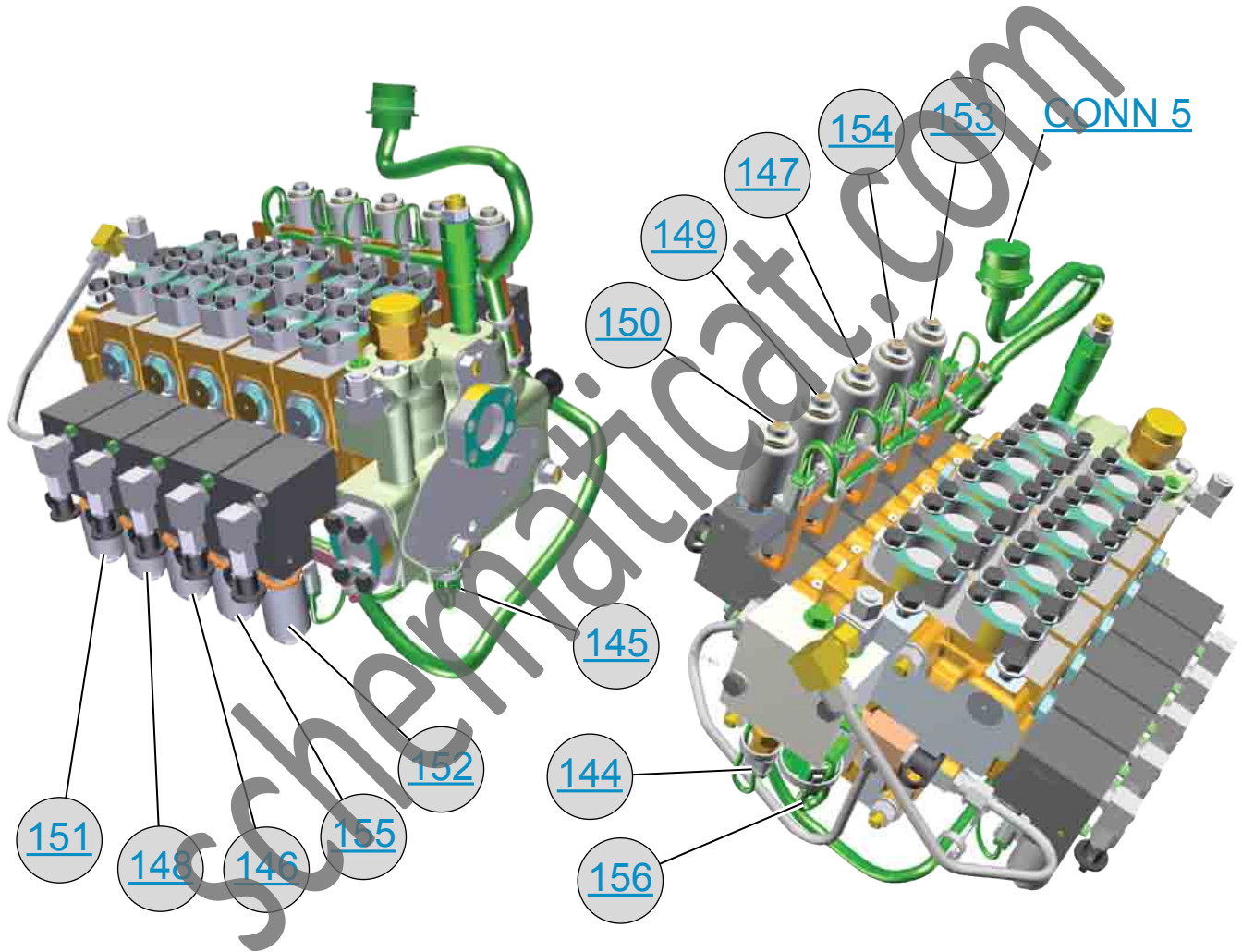
WIRE GROUP	DESCRIPTION
(Red)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(White)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Orange)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Yellow)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Green)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Black)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Gray)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Purple)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Brown)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER
(Blue)	WIRE GROUP CONNECTED TO THE MAIN DISTRIBUTION CENTER

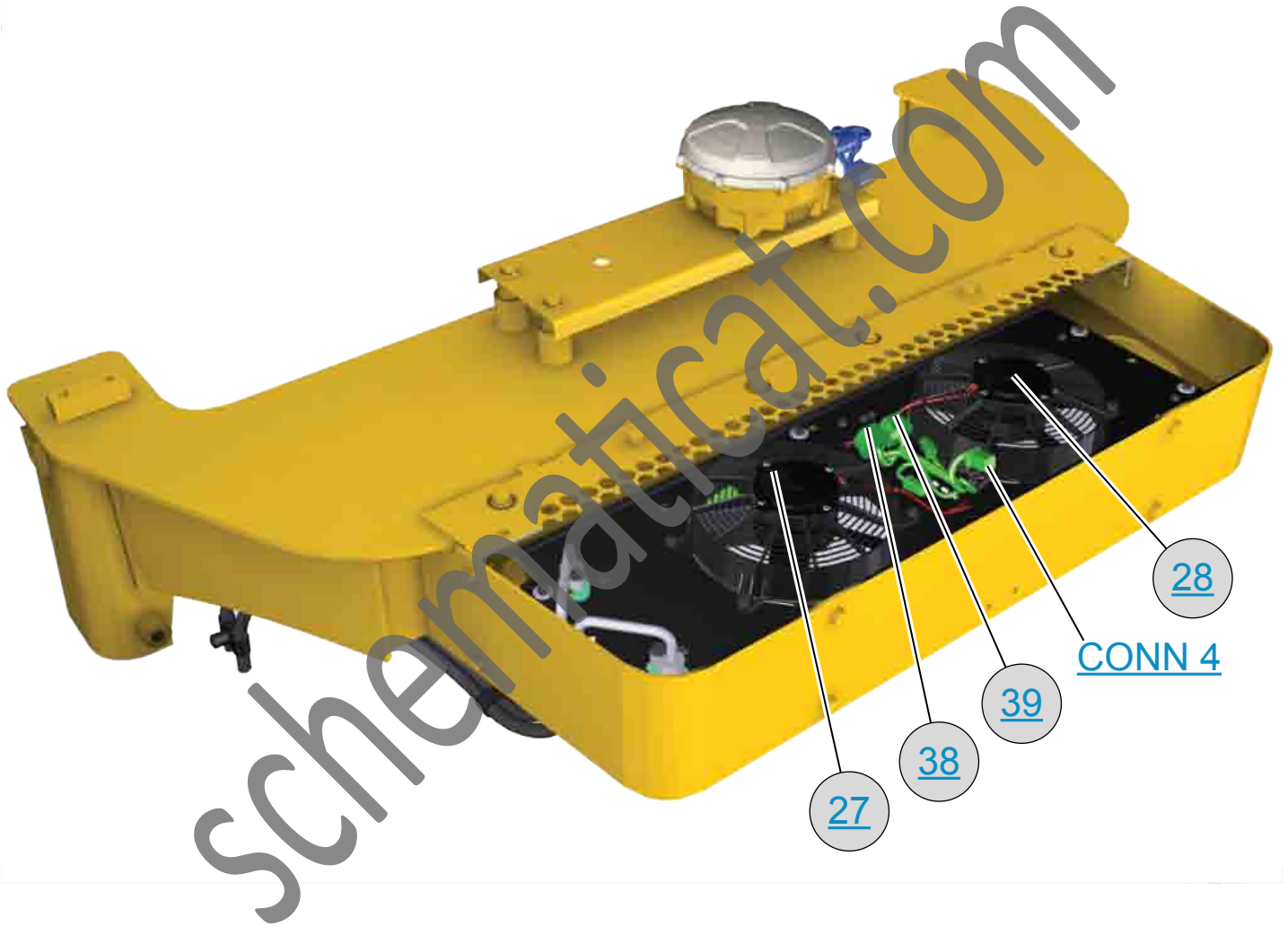
OTHER COLOR DESCRIPTIONS	
(Hatched)	WIRE GROUP

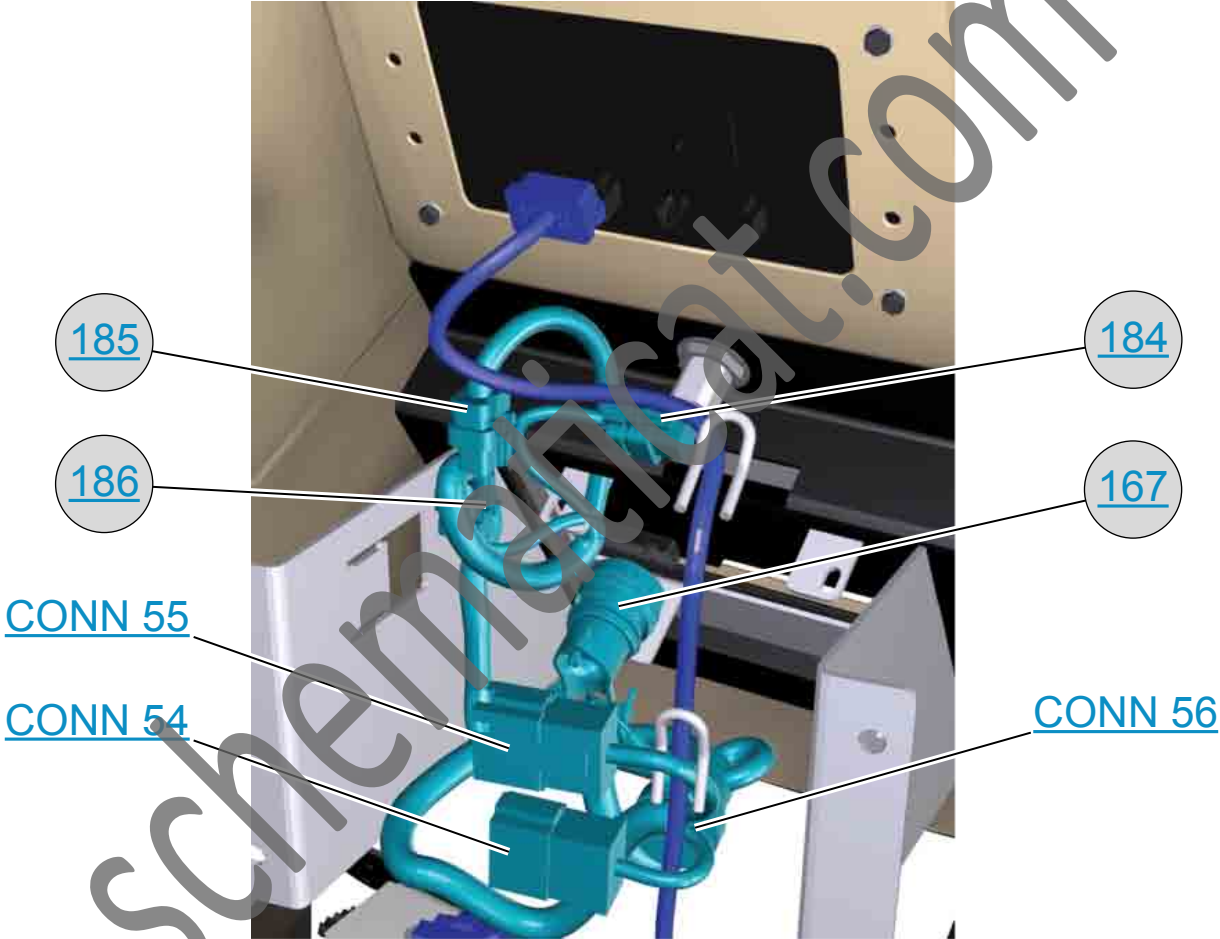
SHEET NO.	PART NUMBER	QUANTITY	DESCRIPTION
1	100-3051	1	WIRE
2	100-3052	1	WIRE
3	100-3053	1	WIRE
4	100-3054	1	WIRE
5	100-3055	1	WIRE
6	100-3056	1	WIRE
7	100-3057	1	WIRE
8	100-3058	1	WIRE
9	100-3059	1	WIRE
10	100-3060	1	WIRE
11	100-3061	1	WIRE
12	100-3062	1	WIRE
13	100-3063	1	WIRE
14	100-3064	1	WIRE
15	100-3065	1	WIRE
16	100-3066	1	WIRE

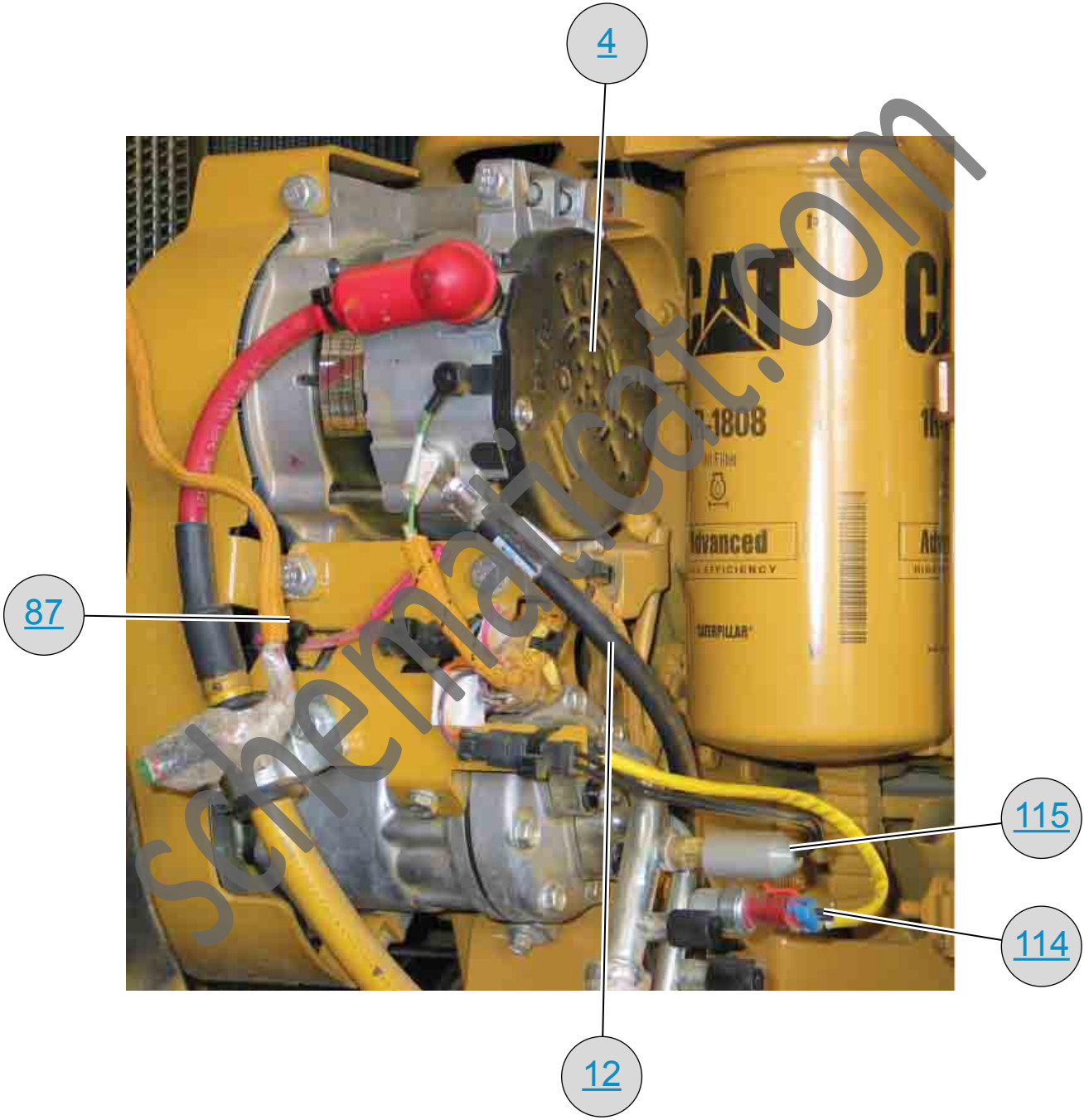
THIS SCHEMATIC IS FOR THE DBT TRACK-TYPE TRACTOR ELECTRICAL SYSTEM VOLUME 1 OF 2: ENGINE MEDIA NUMBER: KENR8935-07 SCHEMATIC PART NUMBER: 331-4066, CHANGE: 00, VERSION: Components are shown installed on fully operator tractors with the key and engine off. Do not operate either in neutral and with parking brake set. Refer to the appropriate Service Manual for Troubleshooting, Specifications and System Operations. Refer to the Parts Manual using a specific serial number prefix in SIS before ordering parts from this schematic.

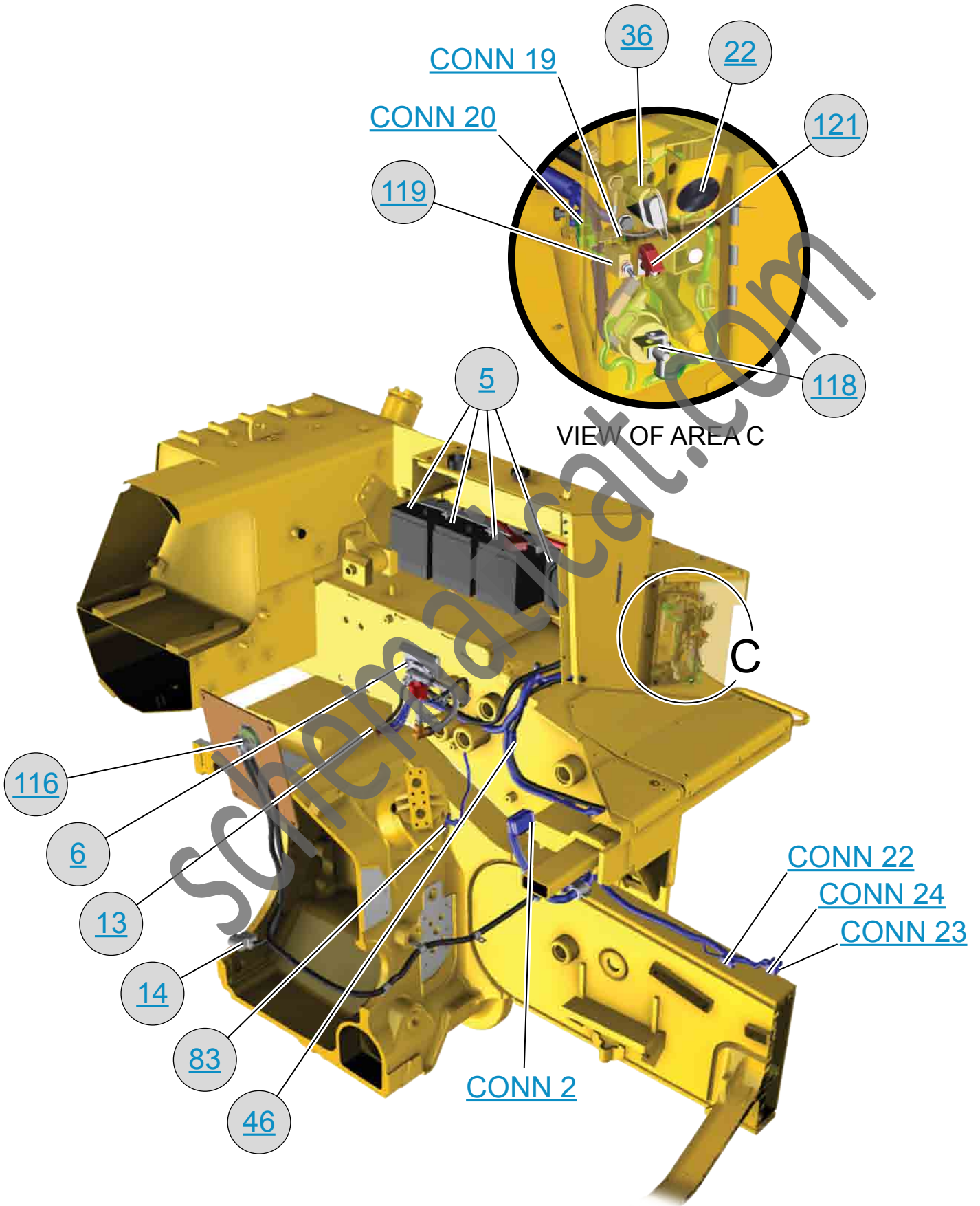
3rd FUNCTION HYDRAULIC REAR VALVE



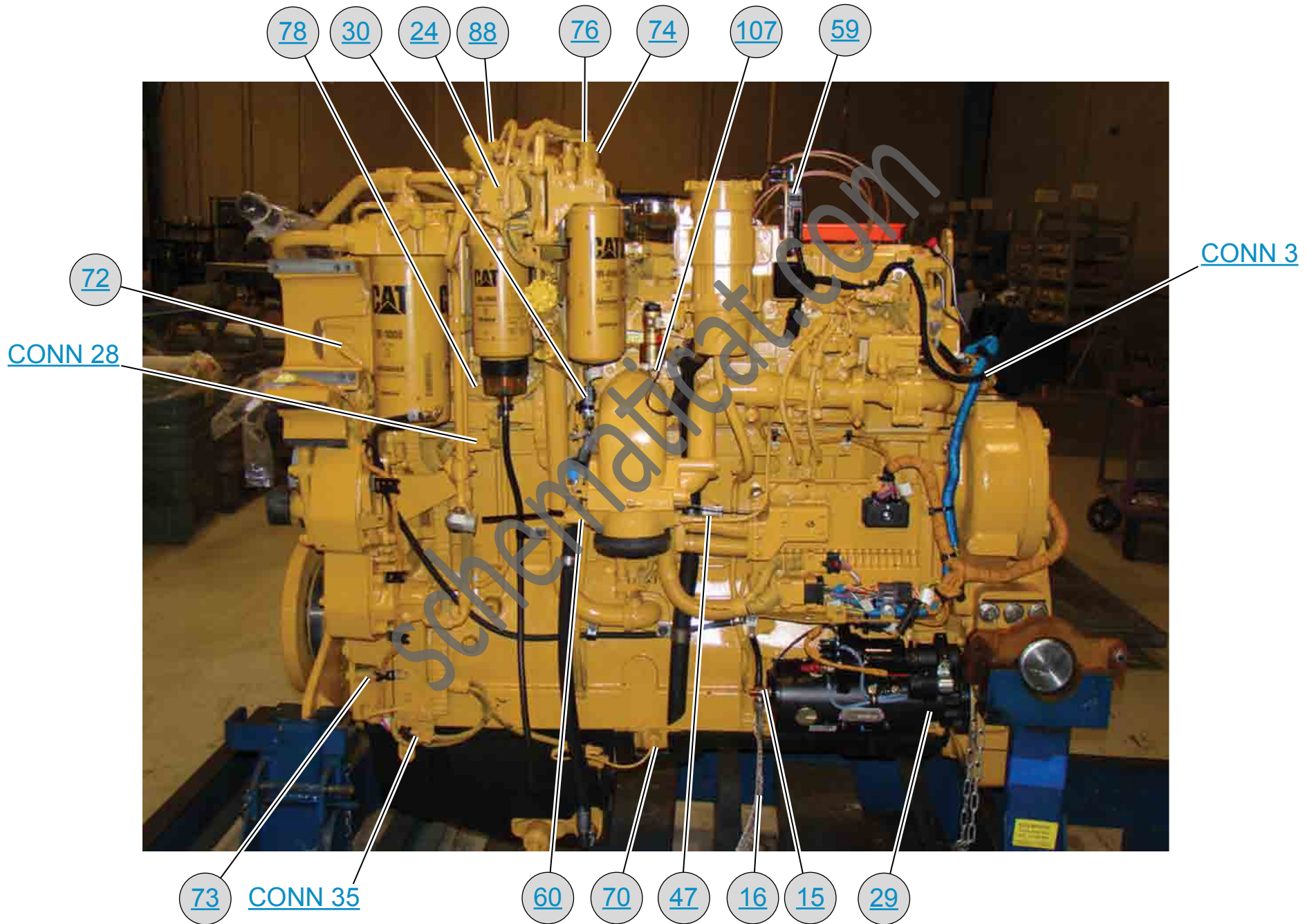


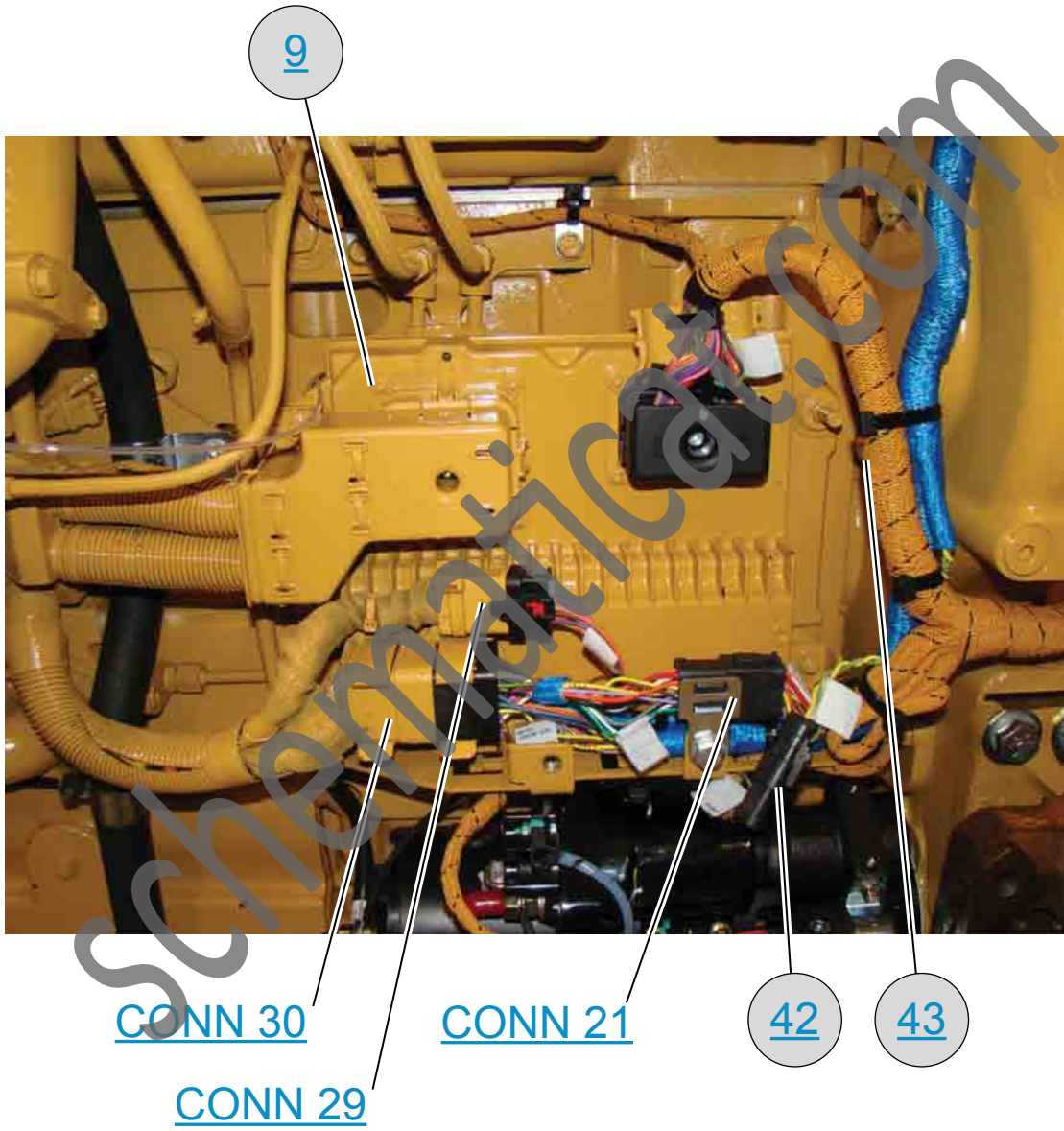




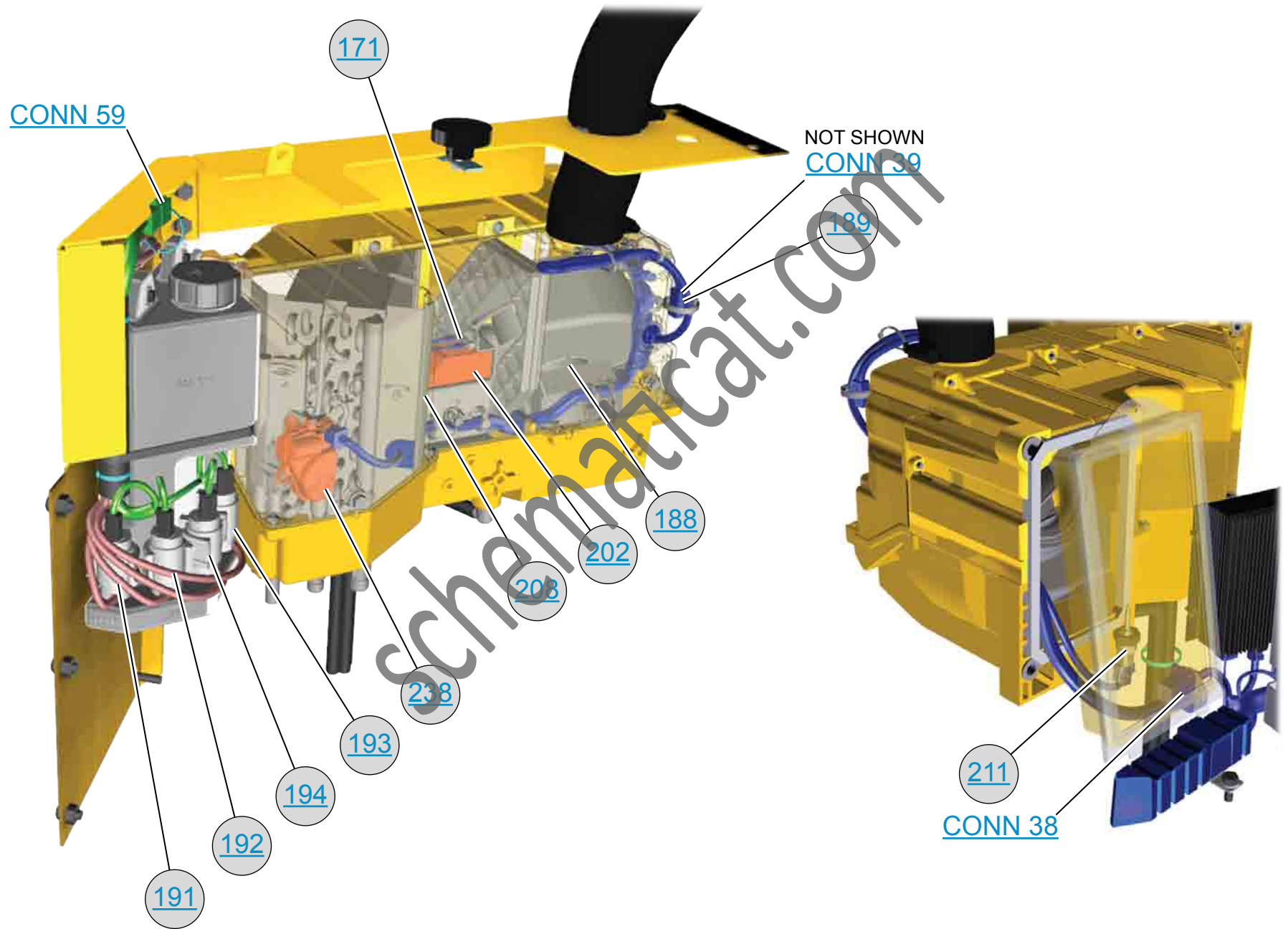


C15 TIER 4 INTERIM ENGINE (LH VIEW)

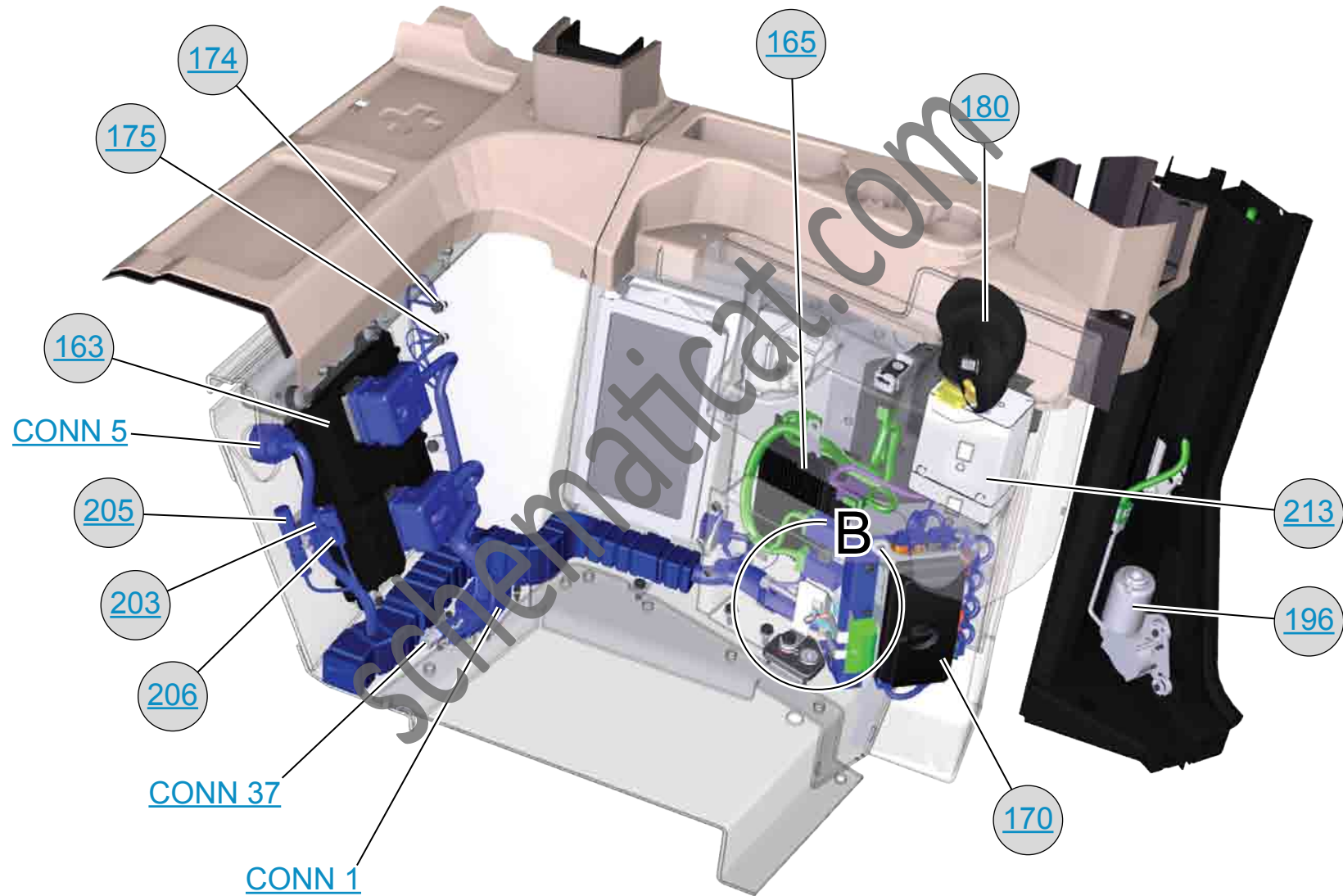


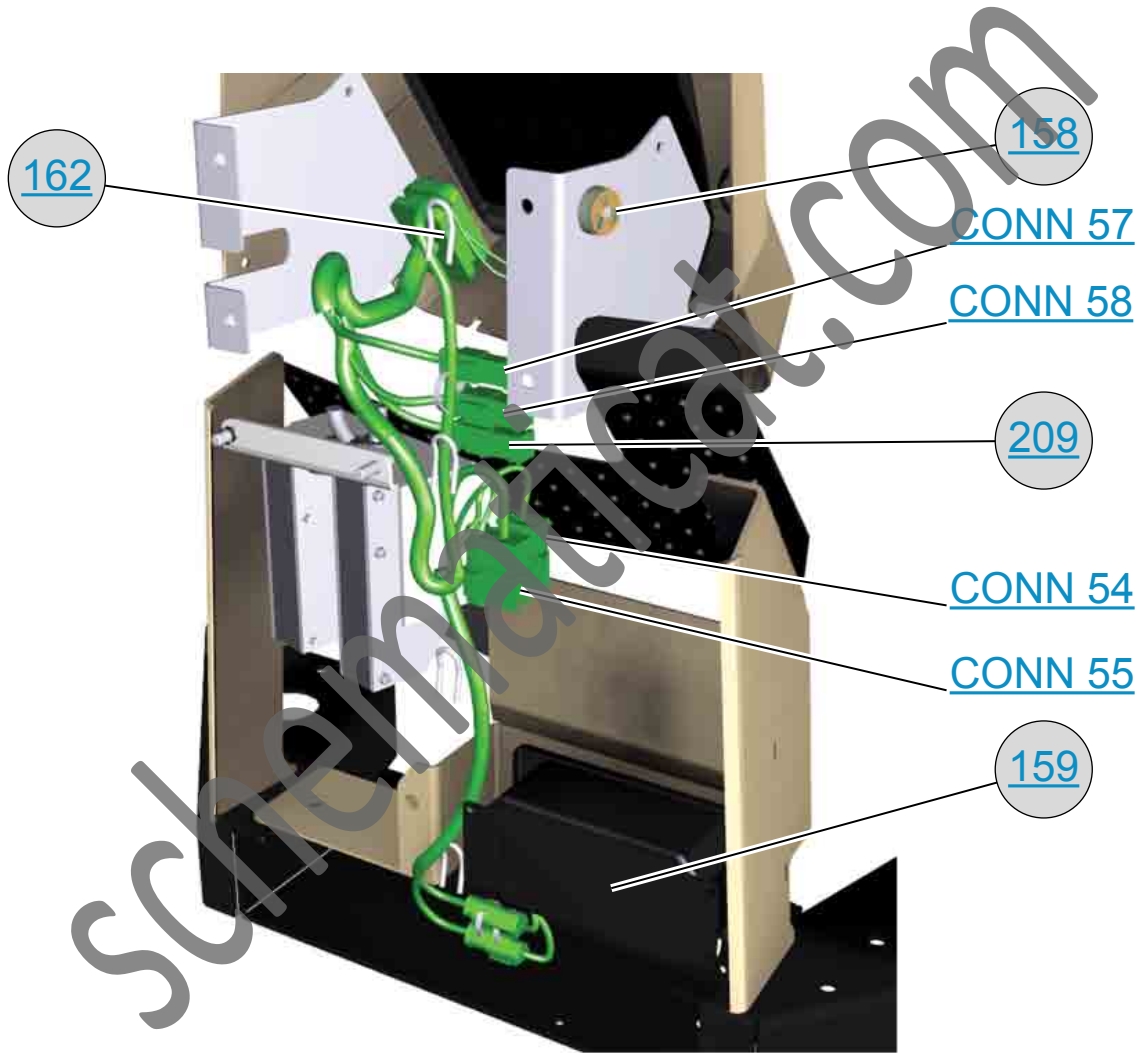


CAB HVAC & WASHER MOTOR WIRING



CAB WIRING (LH SIDE)

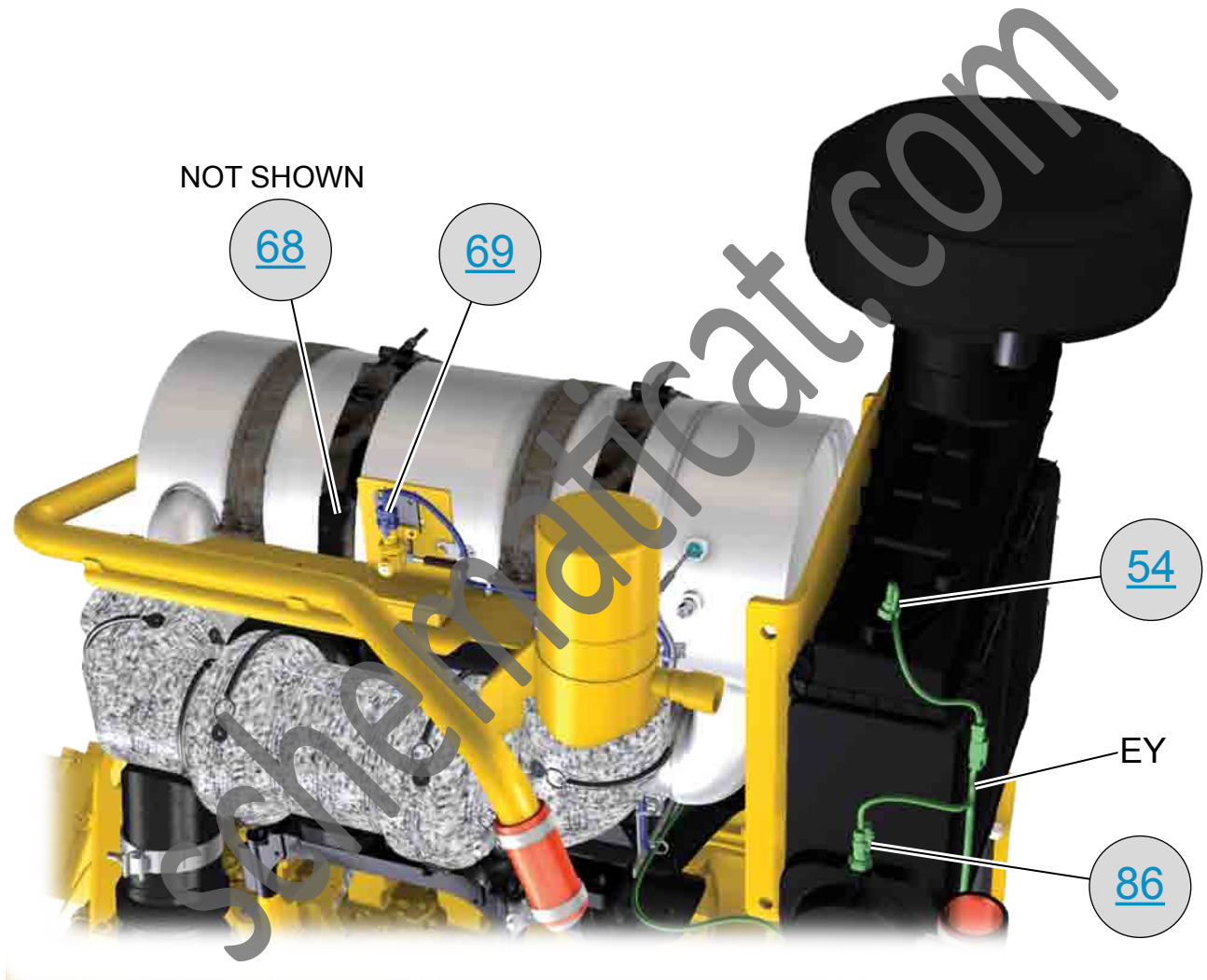




CLEAN EMISSIONS MODULE WIRING (LH VIEW)



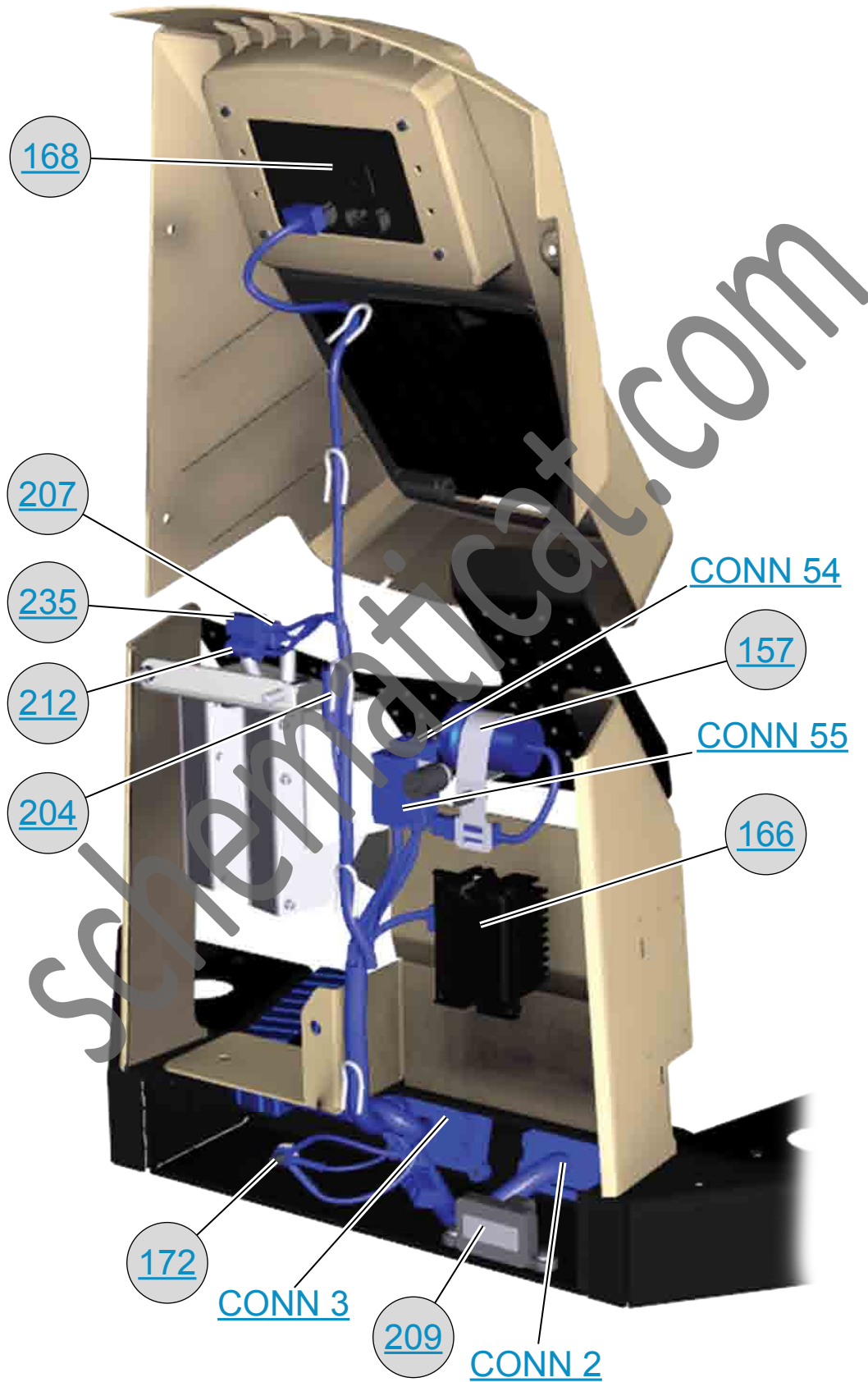
CLEAN EMISSIONS MODULE WIRING (RH VIEW) **CAT**[®]



COOLANT FLOW WIRING (FRONT, RH VIEW)



DASH WIRING (REAR VIEW)





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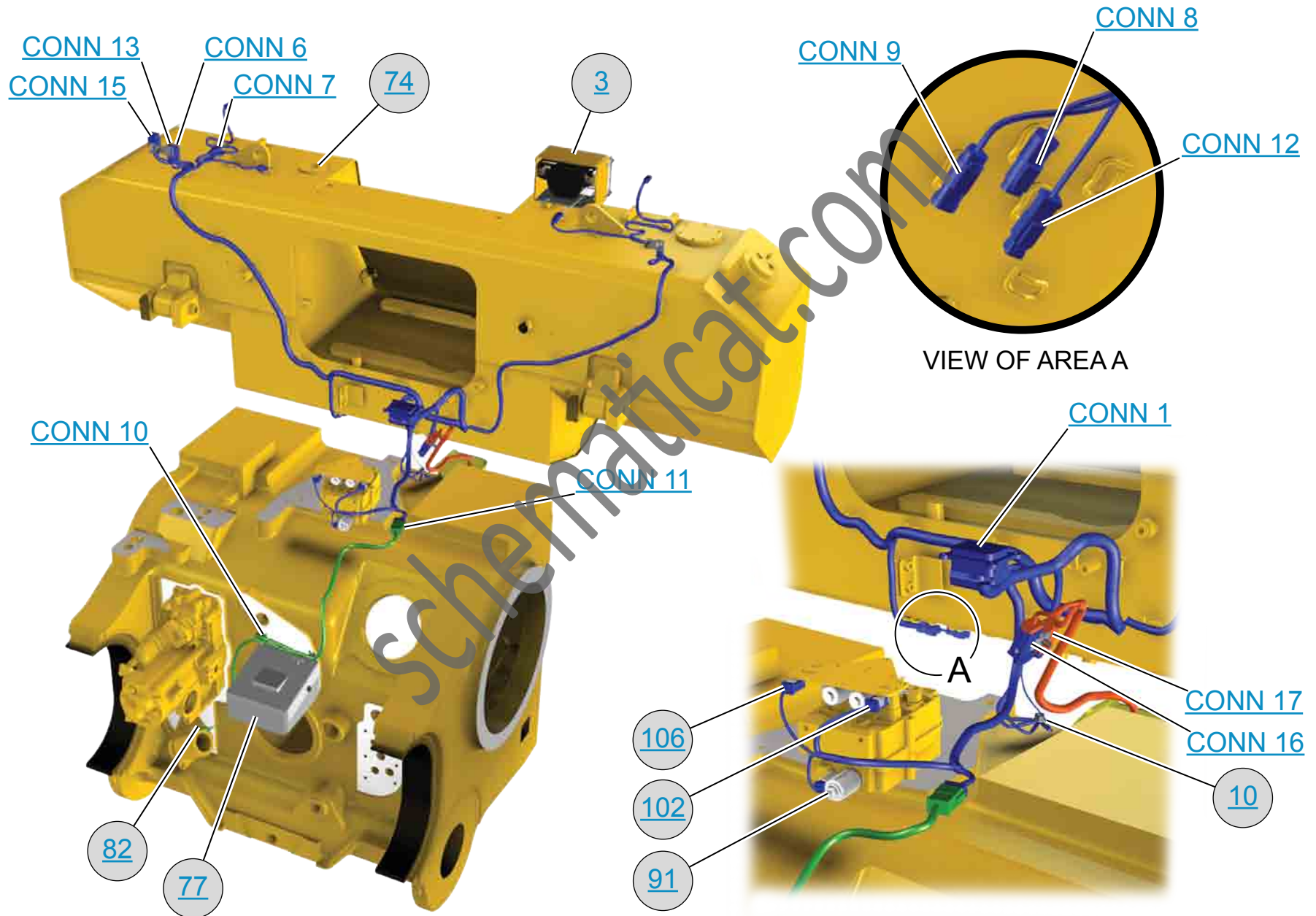
63

71

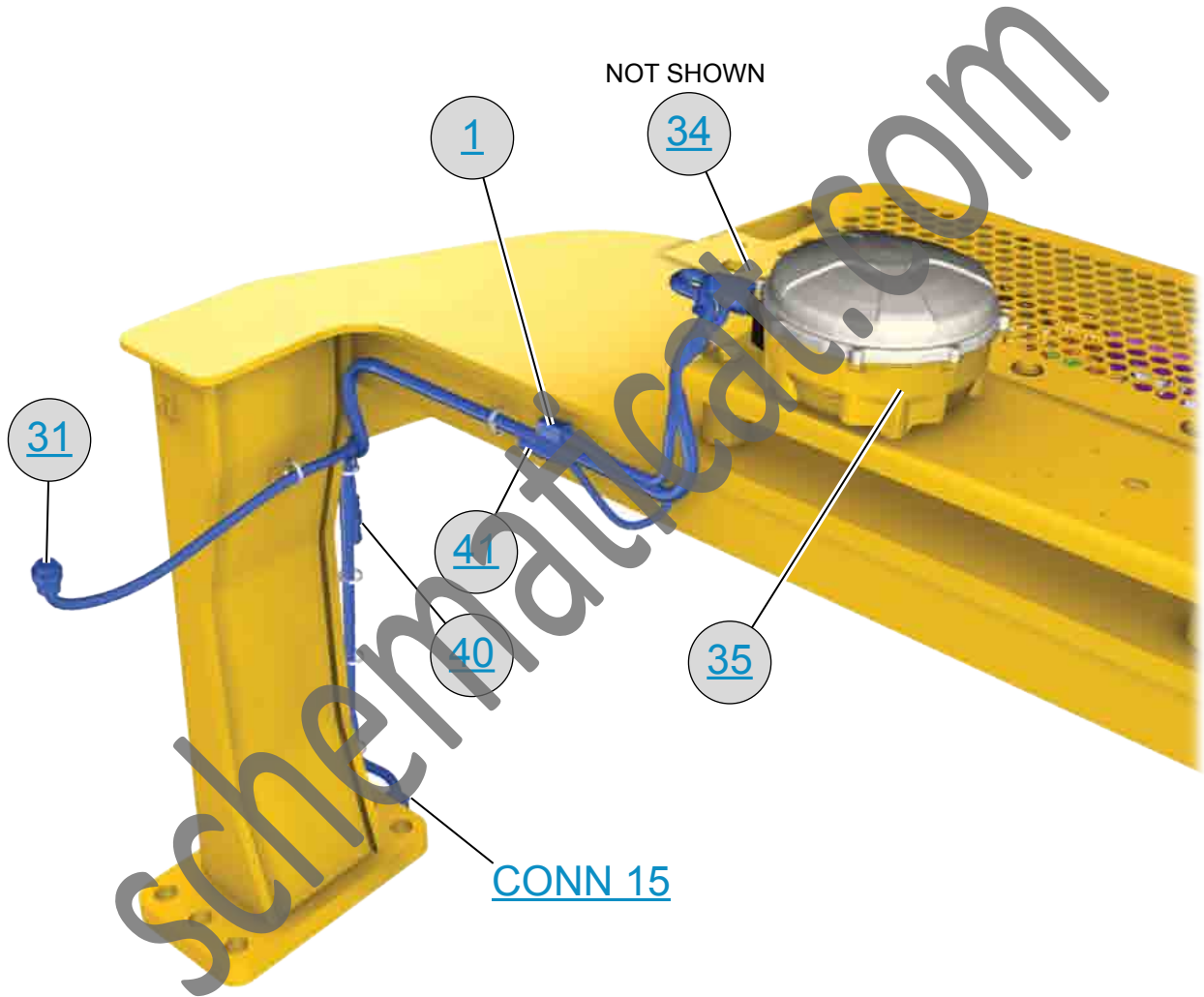
FUSE BLOCK WIRING (VIEW OF AREA B)



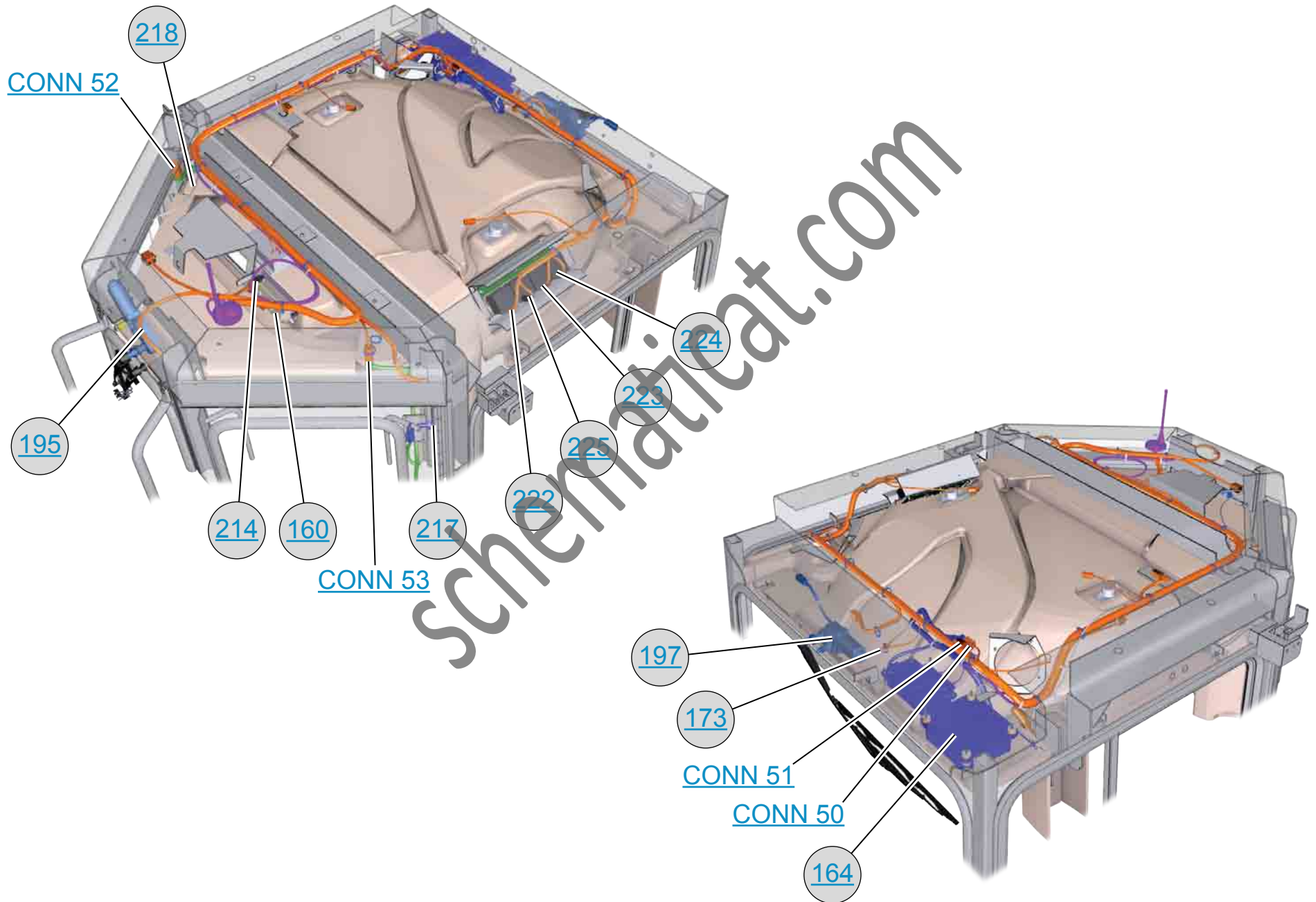
FUEL TANK & REAR CHASSIS WIRING

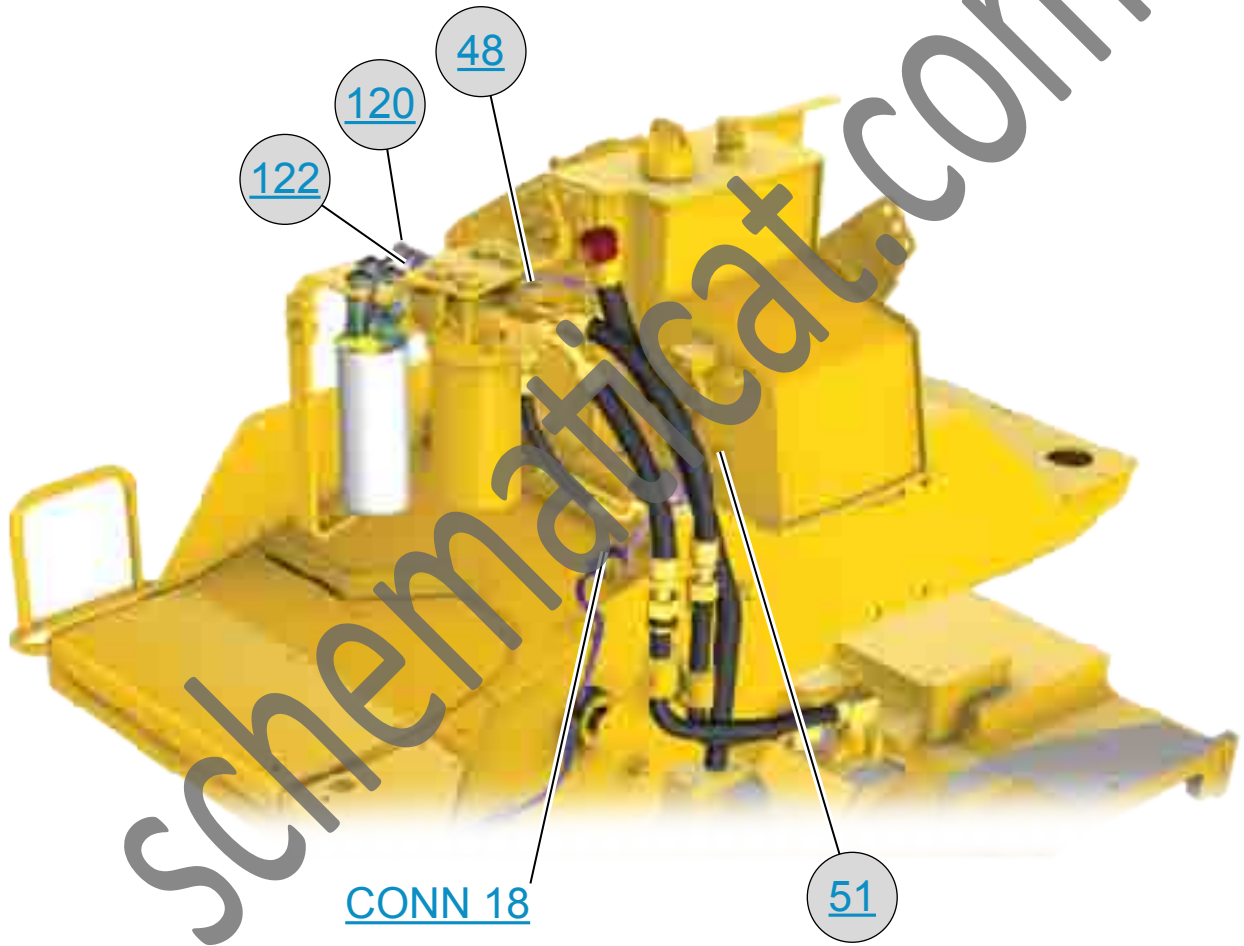


GPS RADIO / RECEIVER ROOF WIRING

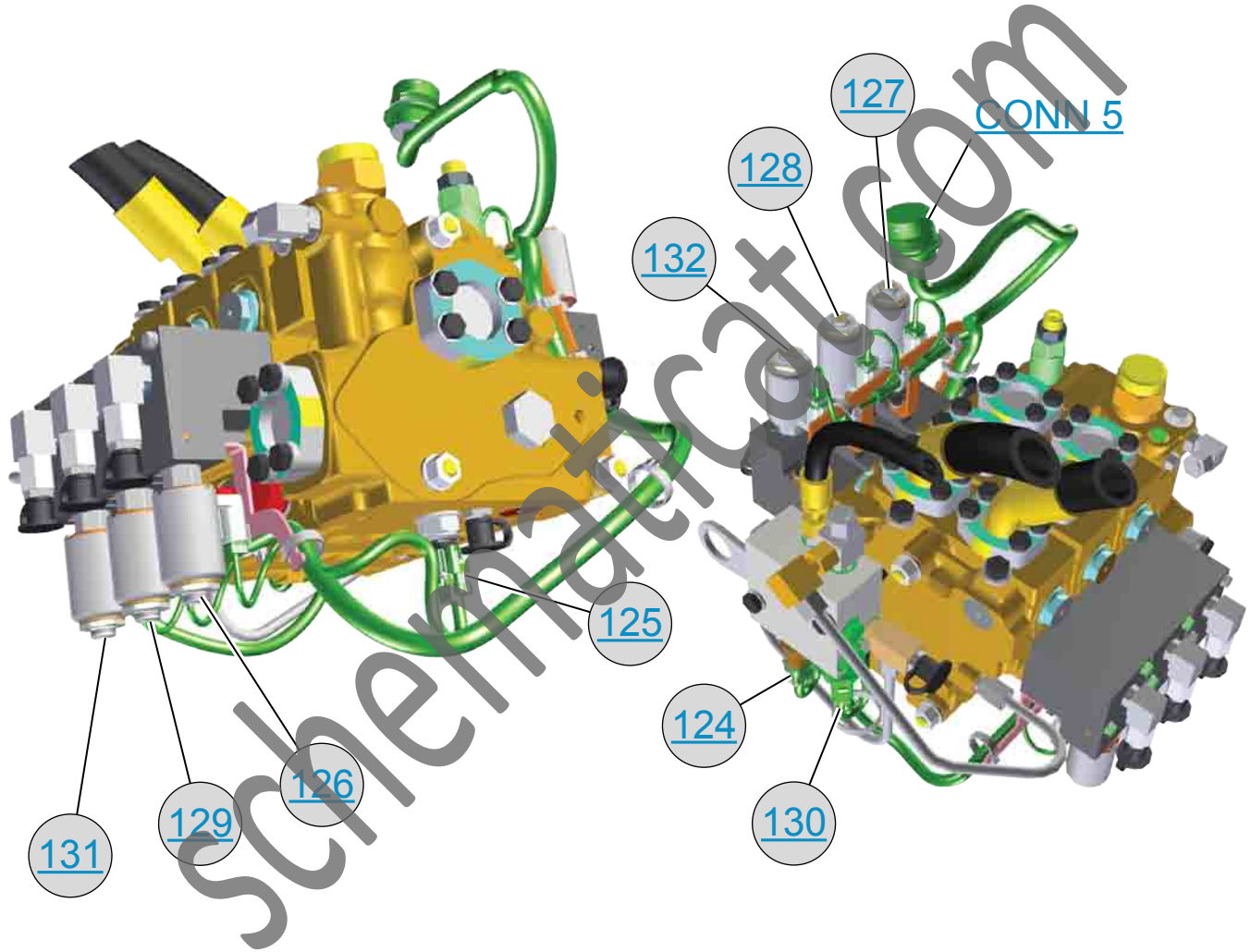


HEADLINER WIRING

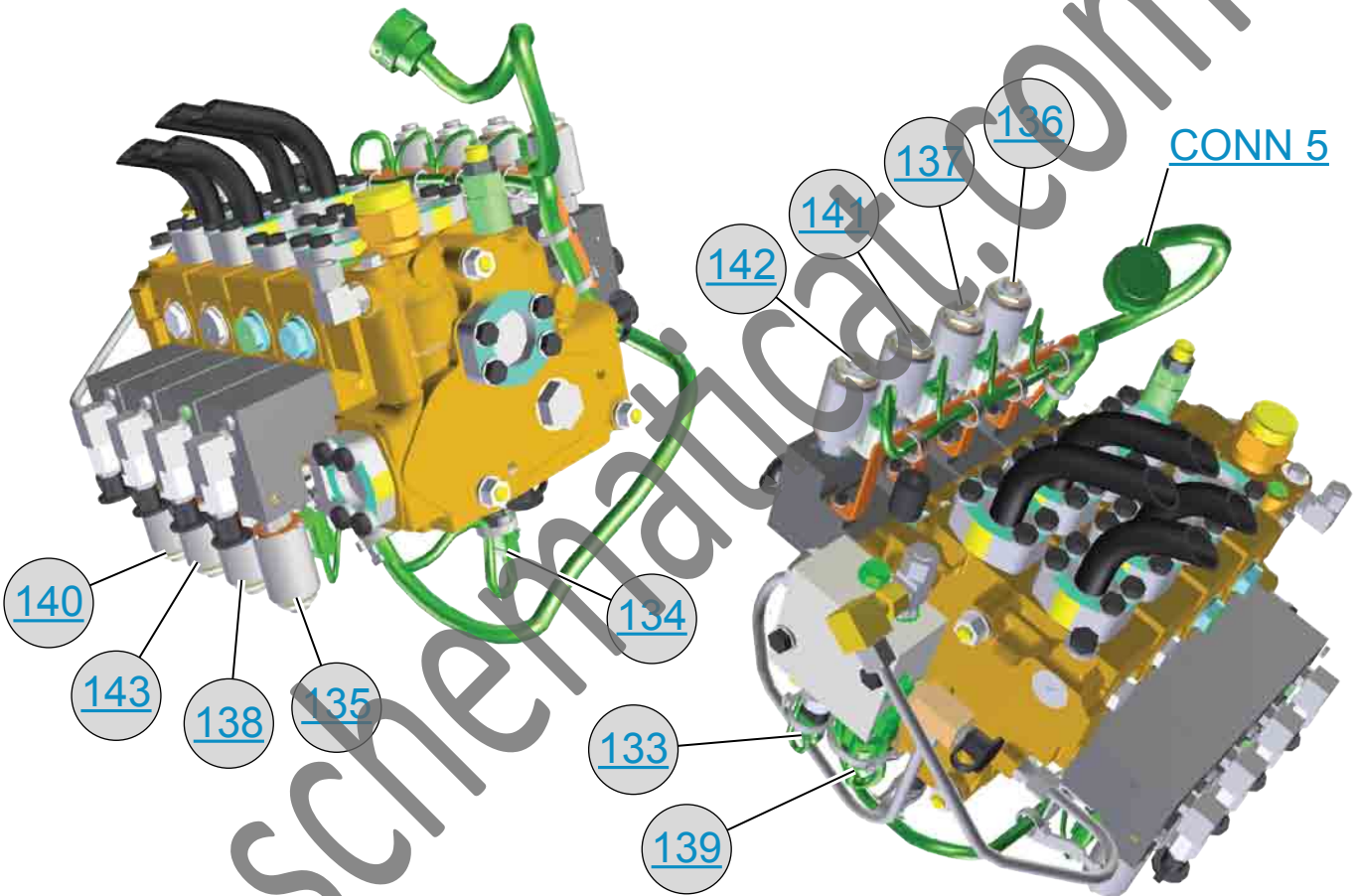




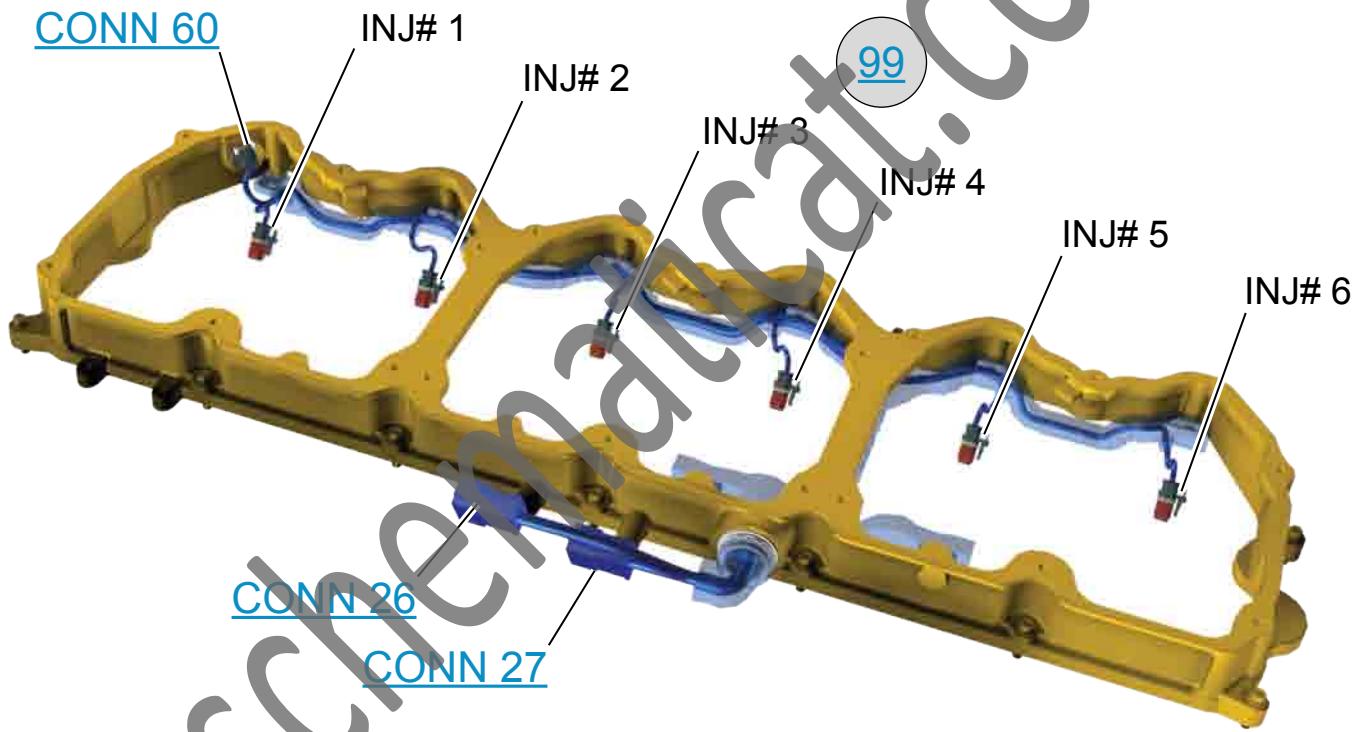
IMPLEMENT VALVE (3 VALVE)

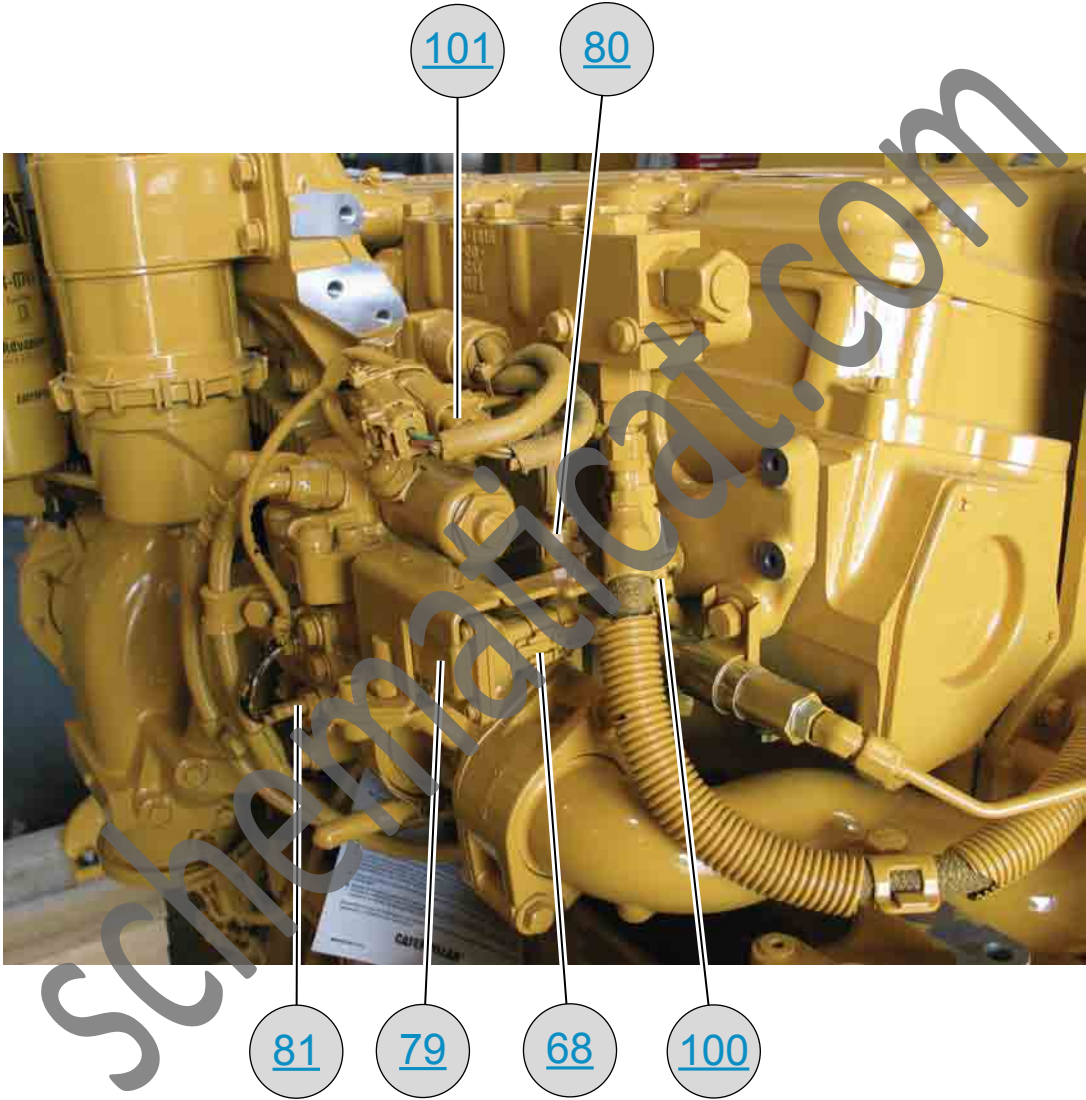


IMPLEMENT VALVE (4 VALVE)



INJECTOR 1-6 WIRING





OPERATOR SEAT WIRING



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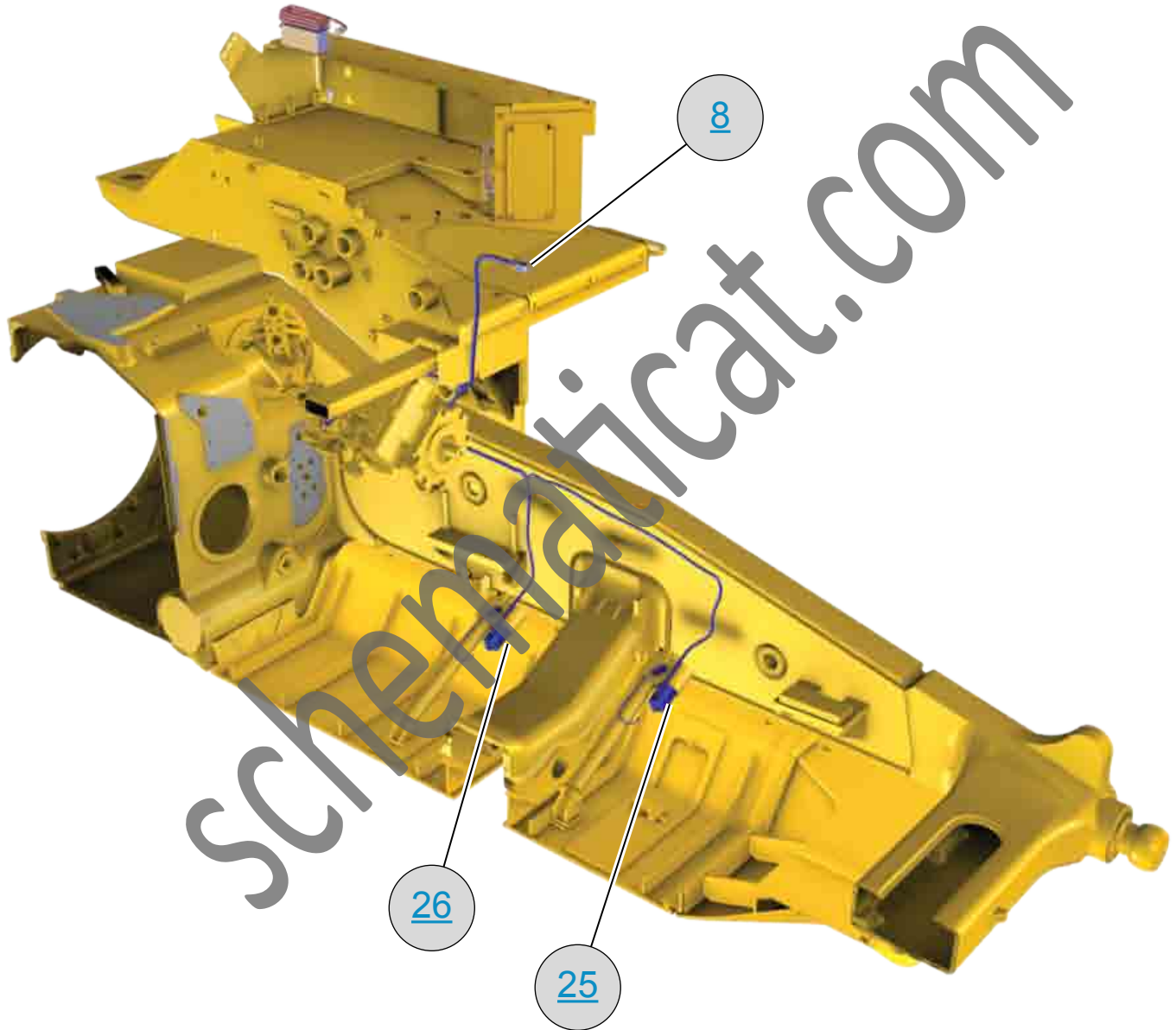
227

CONN 37
NOT SHOWN

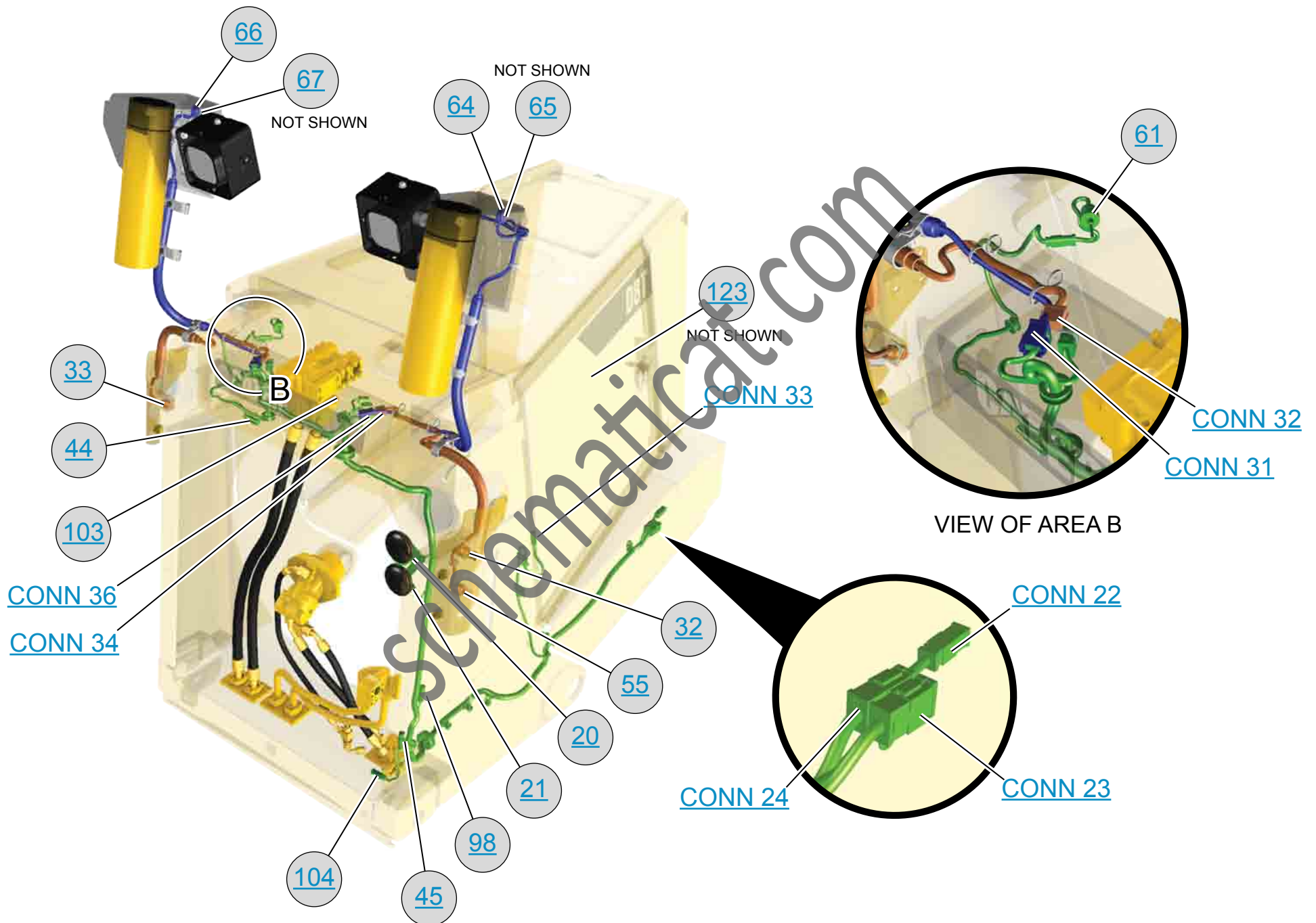
190

NOT SHOWN

POWER BELLY GUARD WIRING



RADIATOR GUARD & CYLINDER WIRING



TORQUE CONVERTER WIRING

