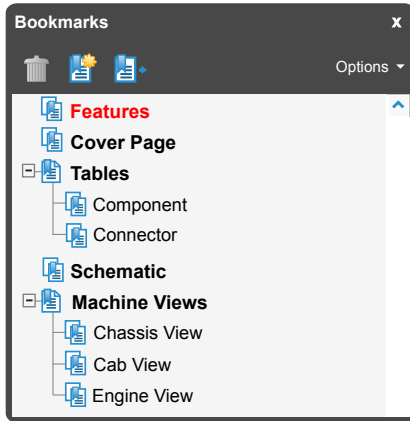


INTERACTIVE SCHEMATIC



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**.

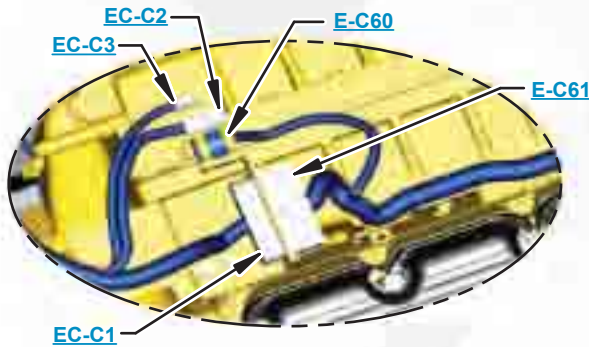
Select **PROPERTIES**.

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

844K Wheel Dozer and 990K Wheel Loader Electrical System

**844K:
MBE1-UP**

**990K:
A9P1-UP**

**Volume 1 of 3: Chassis Wiring
Volume 2 of 3: Cab Wiring
Volume 3 of 3: Engine Wiring**

COMPONENT TABLE - CHASSIS



Component Location - Vol 1 (Chassis)					
Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Alarm - Backup	I-12	1	Sensor - XMSN Oil Temp	G-8	61
Breaker - Steel Mill	D-11	2	Sensor - XMSN Input Speed	H-8	62
Diode - Park Brake Release	C-11	3	Sensor - XMSN Oil Lo	H-9	63
Display - Messenger	A-11	4	Sensor - XMSN Output Speed 1	G-8	64
Ground - Cab	E-10	5	Sensor - XMSN Output Speed 2	G-8	65
Ground - Chassis	E-11	6	Solenoid - Autolube	C-9	66
Ground - Frame 1	A-13	7	Solenoid - Axle Oil Cooler	I-8	67
Ground - Frame 2	A-13	8	Solenoid - Blade Lower	E-3	68
Horn - Forward High Tone LH	J-2	9	Solenoid - Blade Raise	E-3	69
Horn - Forward High Tone RH	H-2	10	Solenoid - Blade Tilt Left	E-3	70
Horn - Forward High Tone RH 2	D-2	11	Solenoid - Blade Tilt Right	E-3	71
Horn - Forward Low Tone LH	J-2	12	Solenoid - Dual Tilt	D-3	72
Horn - Forward Low Tone LH 2	F-2	13	Solenoid - Dump	I-2	73
Horn - Forward Low Tone RH	H-2	14	Solenoid - Forward 3rd	I-2	74
Indicator - Start Lockout	H-13	15	Solenoid - FWD 2	H-10	75
Keypad - Level Monitoring	C-11	16	Solenoid - Impeller Clutch	E-8	76
Pump - Fuel Priming	F-10	17	Solenoid - Implement Pilot Supply	H-2	77
Pump Gp - Lubrication	E-2	18	Solenoid - Implement Pilot Supply	E-3	78
Resistor	E-15	19	Solenoid - Lift Float	I-2	79
Resistor - Keypad Can B	C-11	20	Solenoid - Lock Up Clutch	E-8	80
Resistor - Keypad Can B1	A-8	21	Solenoid - Lower	I-2	81
Resistor - Radar Can B	J-12	22	Solenoid - Park Brake Override	D-16	82
Sender - Fuel Level	F-10	23	Solenoid - Parking Brake	D-8	83
Sensor - Air Inlet Temp	F-12	24	Solenoid - Rackback	I-2	84
Sensor - Autolube Grease Level	B-9	25	Solenoid - Raise	J-2	85
Sensor - Autolube Pressure	I-3	26	Solenoid - Rear 3rd	H-2	86
Sensor - Autolube Pump Pressure	B-9	27	Solenoid - Rev 1	H-10	87
Sensor - Brake Accumulator Pressure	H-10	28	Solenoid - Ride Control Activation	F-4	88
Sensor - Brake Accumulator Pressure	C-16	29	Solenoid - Ride Control Balance	G-4	89
Sensor - Coolant Tank Level Full	F-12	30	Solenoid - Right Front Implement Pump	E-8	90
Sensor - Coolant Tank Level Low	F-12	31	Solenoid - Right Rear Implement Pump	E-8	91
Sensor - Demand Fan Pressure	D-8	32	Solenoid - Speed 1	G-10	92
Sensor - Fixed Pump Pressure	B-7	33	Solenoid - Speed 2	G-10	93
Sensor - FR Axle Oil Temp	G-4	34	Solenoid - Speed 3	H-9	94
Sensor - FR Axle Oil Temp	D-3	35	Switch - Area Light	A-12	95
Sensor - Front Service Brake Pressure	D-8	36	Switch - Fan Motor case Drain Bypass	C-9	96
Sensor - Impl Clutch Pressure	I-8	37	Switch - Fan Return Filter Bypass	I-10	97
Sensor - Implement Pilot oil Pressure	D-9	38	Switch - Fan Return Filter Bypass	C-16	98
Sensor - Implement Pilot Oil Pressure	D-3	39	Switch - Fuel Prime Pump	F-12	99
Sensor - Implement Pressure	B-7	40	Switch - Ground Level Service Key VIMS	C-12	100
Sensor - Implement Tank Oil Full	H-10	41	Switch - Ground Level Shutdown	I-13	101
Sensor - Implement Tank Oil Low	H-10	42	Switch - Hood Lamp 1	F-12	102
Sensor - Implement Tank Oil Temperature	I-10	43	Switch - Hood Lamp 2	F-13	103
Sensor - Implement Tank Oil Temperature	C-16	44	Switch - Impl Discharge Screen Bypass	I-8	104
Sensor - Lift Cylinder Head End Pressure	I-4	45	Switch - Impl Pilot Filter Bypass	C-9	105
Sensor - Lift Cylinder Rod End Pressure	J-4	46	Switch - Impl Pump Case Drain Bypass	C-9	106
Sensor - Lift Linkage Position	G-3	47	Switch - Park Brake Release	C-11	107
Sensor - Object Detection (Center)	J-12	48	Switch - Primary Steer Pressure	I-8	108
Sensor - Object Detection (LH)	J-12	49	Switch - Retractable Step 1	I-13	109
Sensor - Object Detection (RH)	J-12	50	Switch - Retractable Step 2	J-10	110
Sensor - Parking Brake Oil Pressure	D-8	51	Switch - Stairway Access Lights	I-13	111
Sensor - Rear Axle Oil Temp	F-9	52	Switch - Starter Lockout	H-13	112
Sensor - Rear Service Brake Pressure	D-8	53	Switch - Steel Mill Park Brake	D-16	113
Sensor - Steering Tank Oil Full	F-10	54	Switch - Steer Brake Case Drain Bypass	D-9	114
Sensor - Steering Tank Oil Low	F-10	55	Switch - Steering CLR Return Filter Bypass	E-10	115
Sensor - Steering Tank Oil Temp	F-10	56	Switch - Steering Pilot Filter Bypass	C-9	116
Sensor - TC Oil Temp	E-8	57	Switch - XMSN Lockout	I-13	117
Sensor - Tilt Linkage	G-3	58	Switch - XMSN Oil Filter Bypass	D-9	118
Sensor - Turbo Inlet Pressure LH	E-12	59	Valve As - Ether	F-11	119
Sensor - Turbo Inlet Pressure RH	E-2	60	Valve Gp - Demand Fan	E-8	120

COMPONENT TABLE - CAB



Component Location - Vol 2 (CAB)					
Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Alarm - Action	F-4	121	Sensor - Louver Temp	H-3	172
Alarm - Machine Feature	H-3	122	Sensor - Recirc Filter Temp	G-5	173
Block As - Fuse	C-10	123	Sensor - Third Lever Position	I-4	174
Breaker - Engine ECM	C-11	124	Sensor - Throttle Position	C-3	175
Breaker - Engine ECM 2	C-11	125	Sensor - Tilt Lever Position	I-4	176
Breaker - Running Lamp	C-11	126	Sensor - Torque Conv Pedal Position	C-3	177
Camera - Cat Detect	C-16	127	Sensor Gp - HVAC Evaporator	H-16	178
Control - Ripper Rocker	F-4	128	Suppressor - ARC (Steel Mill)	I-14	179
Control As - Blower Fan Speed	G-5	129	Suppressor - ARC (Steel Mill)	H-14	180
Control Gp - Handle	J-4	130	Switch - 3rd Function Lockout	F-1	181
Control Gp - Joystick	H-4	131	Switch - AC High Low Pressure	G-15	182
Control Gp - Network Manager	C-5	132	Switch - AC Low Pressure	G-15	183
Converter - 10A (ATCH)	I-11	133	Switch - ATC / Man	I-1	184
Converter - 10A (STD)	H-12	134	Switch - Beacon	G-1	185
ECM - Implement	J-6	135	Switch - Comp BK Pedal	D-3	186
ECM - XMSN	G-6	136	Switch - Door	B-3	187
Flasher	B-3	137	Switch - Dual Wiper	J-11	188
Ground - Cab 1	B-9	138	Switch - Forward Override	I-15	189
Ground - Cab 2	B-9	139	Switch - Front Floods	H-1	190
Ground - RR Cab	B-14	140	Switch - Front Intermittent Wiper	I-12	191
Module Gp - Display (Object Det, Vision)	G-3	141	Switch - Hazard Lamp	G-1	192
Module Gp - Indication	E-3	142	Switch - HID Lamp	H-1	193
Module Gp - Keypad	F-1	143	Switch - Horn (844)	G-4	194
Monitor Gp - VIMS	G-10	144	Switch - Horn (990)	I-4	195
Motor - Blower	H-16	145	Switch - Implement Lockout	I-4	196
Motor - Front Washer	G-15	146	Switch - Implement Lockout (844)	G-4	197
Motor - Front Wiper	B-3	147	Switch - Key	F-3	198
Motor - Left Wiper	F-15	148	Switch - LH Armrest Position	J-4	199
Motor - LH Door Washer	F-15	149	Switch - Parking Brake	E-3	200
Motor - Precleaner	E-15	150	Switch - Payload Store	I-4	201
Motor - Rear Motor	E-14	151	Switch - Rear Floods	H-1	202
Motor - Rear Washer	F-15	152	Switch - Rear Intermittent Wiper	I-12	203
Motor - RH Door Washer	F-15	153	Switch - Reverse Override	I-15	204
Motor - Right Wiper	F-15	154	Switch - RH Service Brake Pedal	C-3	205
Motor - Sprayer Washer	G-15	155	Switch - Running Lamp	G-1	206
Panel - HVC	I-1	156	Switch - Seat Belt Reminder	F-5	207
Panel Gp - Fuse	D-10	157	Switch - Service Lamp	E-1	208
Product Link - Radio (Cell)	B-7	158	Switch - Shop Horn	E-1	209
Product Link - Radio (Sat)	C-7	159	Switch - Spot Lamp	J-11	210
Radio - Product Link	I-10	160	Switch - Stairway Access	G-1	211
Relay - Machine Power Distribution	D-11	161	Switch - Steering Lock	J-4	212
Relay - Main Power	C-11	162	Switch - Stoplamp	C-3	213
Relay - Steel Mill Backup Alarm	I-16	163	Switch - Throttle Lock Resume	H-4	214
Resistor	F-5	164	Switch - Throttle Lock Resume (844)	G-4	215
Resistor	E-1	165	Switch - Throttle Lock Set	H-4	216
Resistor	D-15	166	Switch - Throttle Lock Set (844)	G-4	217
Resistor - Pull Up	E-3	167	Switch - Turn Signal	H-4	218
Resistor - Steel Mill	I-14	168	Switch - Turn Signal	F-4	219
Seat - Air Suspension / Heat	F-5	169	Switch - Washer Bottle Level	E-15	220
Sensor - ARC Inclination	D-3	170	Valve - Water	G-16	221
Sensor - Lift Lever Position	J-4	171			

COMPONENT TABLE - ENGINE



Component Location - Vol 3 (Engine)		
Component	Schematic Location	Machine Location
Alternator	C-3	222
Batteries - LH	B-2	223
Batteries - RH	B-2	224
Breaker - Main	C-2	225
Compressor Gp - Refrigerant	B-4	226
ECM - Engine	D-8	227
Ground - Engine	B-3	228
Ground - Frame	C-3	229
Ground - Frame	B-2	230
Ground - Frame 2	B-3	231
Ground - Frame 3	B-3	232
Injectors - Even (Without Brake)	D-1	233
Injectors - Odd (Without Brake)	D-3	234
Injectors - Even (With Brake)	F-3	235
Injectors - Odd (With Brake)	F-1	236
Module - Aftertreatment	C-7	237
Motor - Starter (LH Machine Side)	B-3	238
Motor - Starter (RH Machine Side)	B-3	239
Receptacle - Auxiliary Start	C-2	240
Resistor - Can A	B-4	241
Sensor - Barometric Pressure	D-6	242
Sensor - Coolant Loss Pressure	B-4	243
Sensor - Coolant Temperature	F-6	244
Sensor - Engine Oil Pressure	F-6	245
Sensor - Engine Speed #1 (Crank)	C-7	246
Sensor - Engine Speed #2 (Cam)	B-7	247
Sensor - Exhaust Temperature LH	C-6	248
Sensor - Exhaust Temperature RH	C-6	249
Sensor - Fuel Pressure After Filter LH	F-4	250
Sensor - Fuel Temperature	F-4	251
Sensor - Intake Man Pressure LH #1	F-6	252
Sensor - Intake Man Pressure RH #2	F-6	253
Sensor - Intake Man Temp LH #1	E-6	254
Sensor - Intake Man Temp RH #2	E-6	255
Sensor - Low Oil Level Eng Off Full	E-6	256
Sensor - Low Oil Level Eng Running	E-6	257
Sensor - Low Oil Level Safe to Start	E-6	258
Sensor - NRS Differential Pressure	D-6	259
Sensor - NRS Intake Pressure	D-6	260
Sensor - NRS Temperature	D-6	261
Solenoid - Brake (1&3)	E-3	262
Solenoid - Brake (10&12)	E-1	263
Solenoid - Brake (2&4)	E-1	264
Solenoid - Brake (5&7)	E-3	265
Solenoid - Brake (6&8)	E-1	266
Solenoid - Brake (9&11)	E-3	267
Solenoid - NRS Flow Balance	C-6	268
Solenoid - NRS Valve Actuator	C-7	269
Switch - Battery Disconnect	C-2	270
Switch - Fuel Diff Pressure LH	F-4	271

CONNECTOR TABLE - CHASSIS



Connector Location - Vol 1 (Chassis)	
Connector Number	Schematic Location
CONN 1	J-16
CONN 2	G-16
CONN 3	E-14, G-7
CONN 4	D-14
CONN 5	D-14
CONN 6	C-14, H-7
CONN 7	G-13
CONN 8	G-12
CONN 9	G-12
CONN 10	E-12
CONN 11	D-12
CONN 12	D-12
CONN 13	A-13
CONN 14	J-10
CONN 15	I-10
CONN 16	H-11
CONN 17	G-11
CONN 18	F-10
CONN 19	F-10
CONN 20	B-11
CONN 21	A-10
CONN 22	J-9
CONN 23	J-7
CONN 24	I-7
CONN 25	I-7
CONN 26	G-8
CONN 27	G-7
CONN 28	F-8
CONN 29	F-8
CONN 30	F-8
CONN 31	F-7
CONN 32	F-7
CONN 33	E-7
CONN 34	E-7
CONN 35	E-7
CONN 36	D-7
CONN 37	C-7
CONN 38	C-7
CONN 39	B-8
CONN 40	A-7, A-8
CONN 41	D-5, H-5
CONN 42	F-5
CONN 43	D-5
CONN 44	C-5
CONN 45	A-5
CONN 46	A-5
CONN 47	J-4
CONN 48	I-4
CONN 49	D-3
CONN 50	G-4
CONN 51	G-4
CONN 52	F-3
CONN 53	E-3
CONN 54	D-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 TABLE - CAB

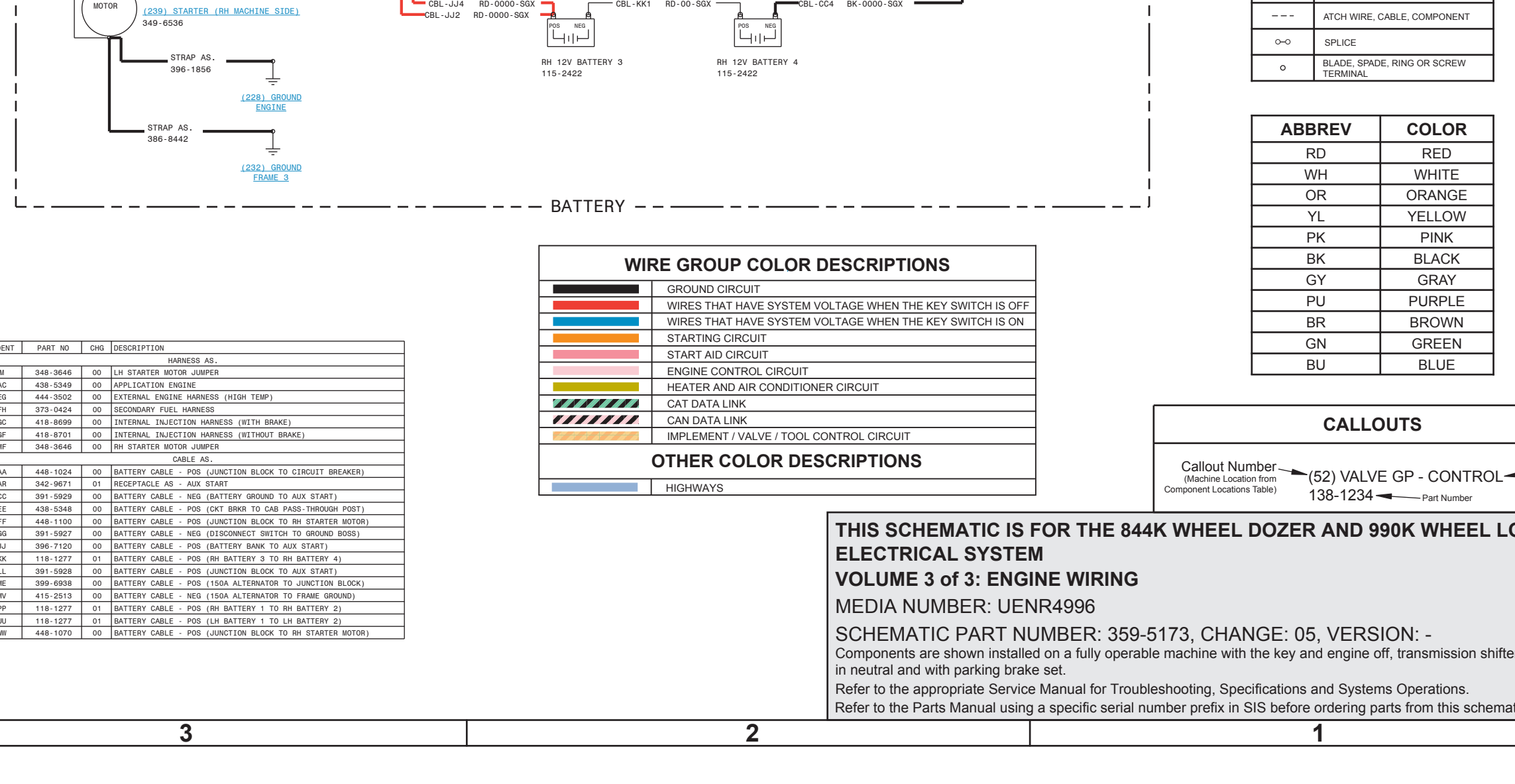
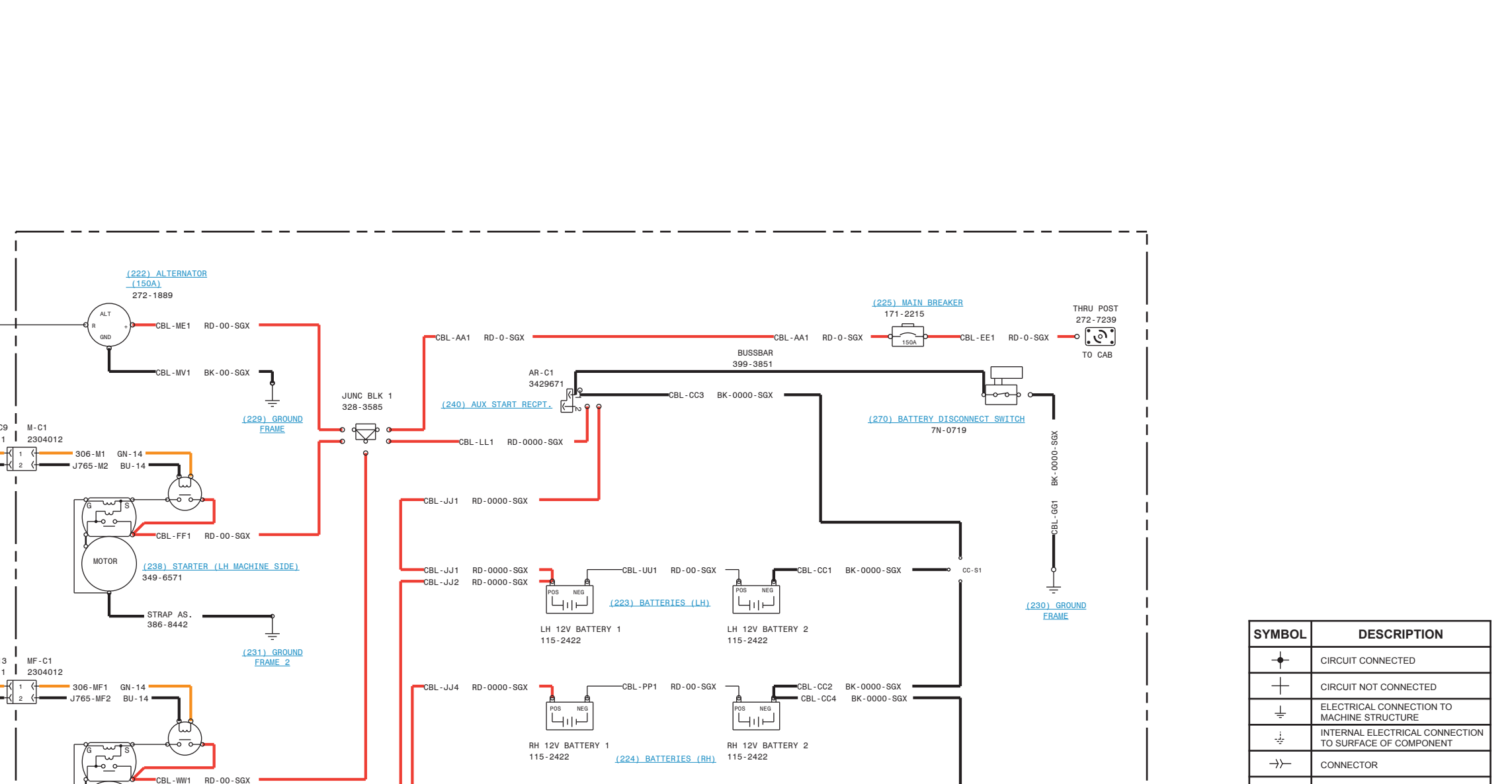
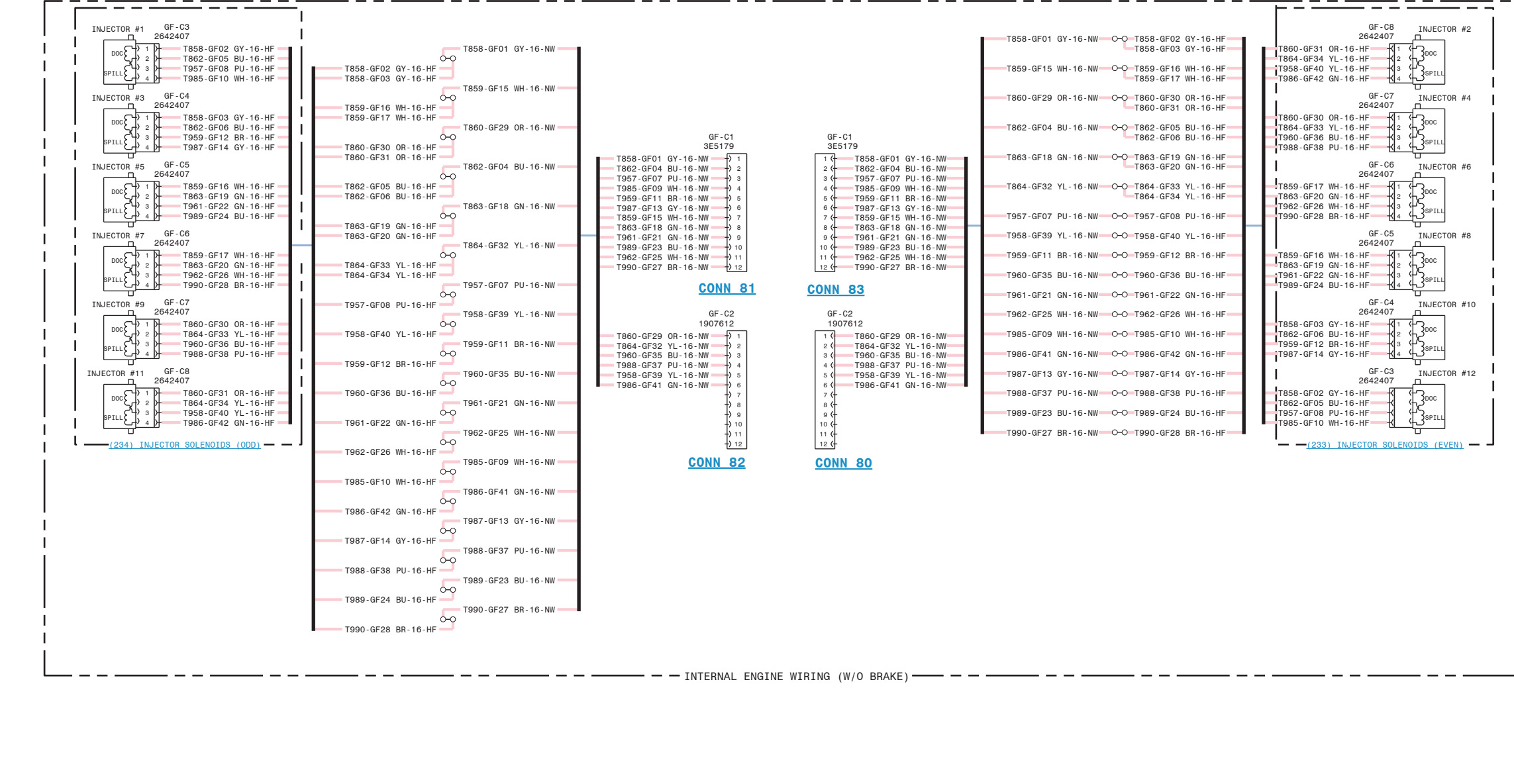
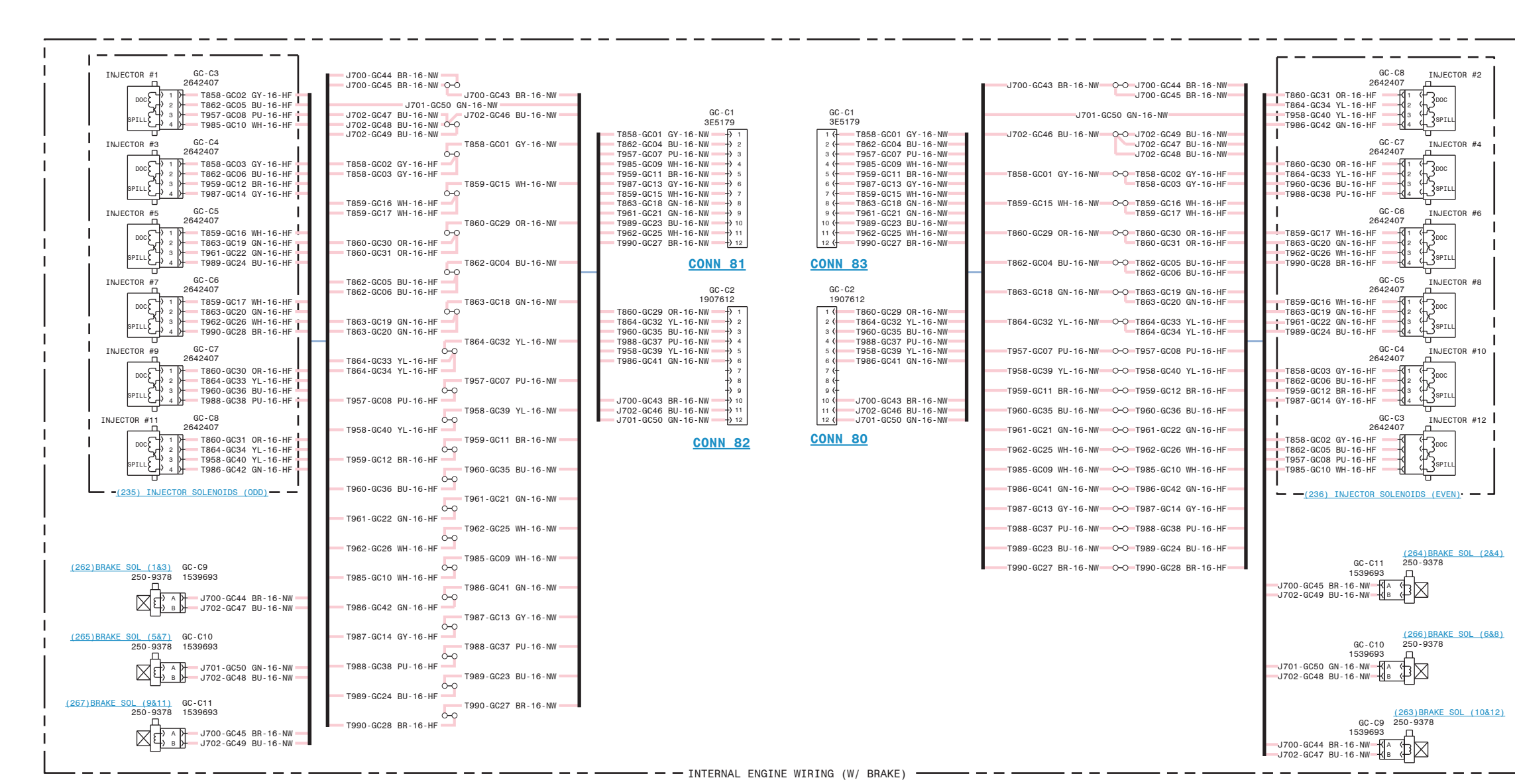
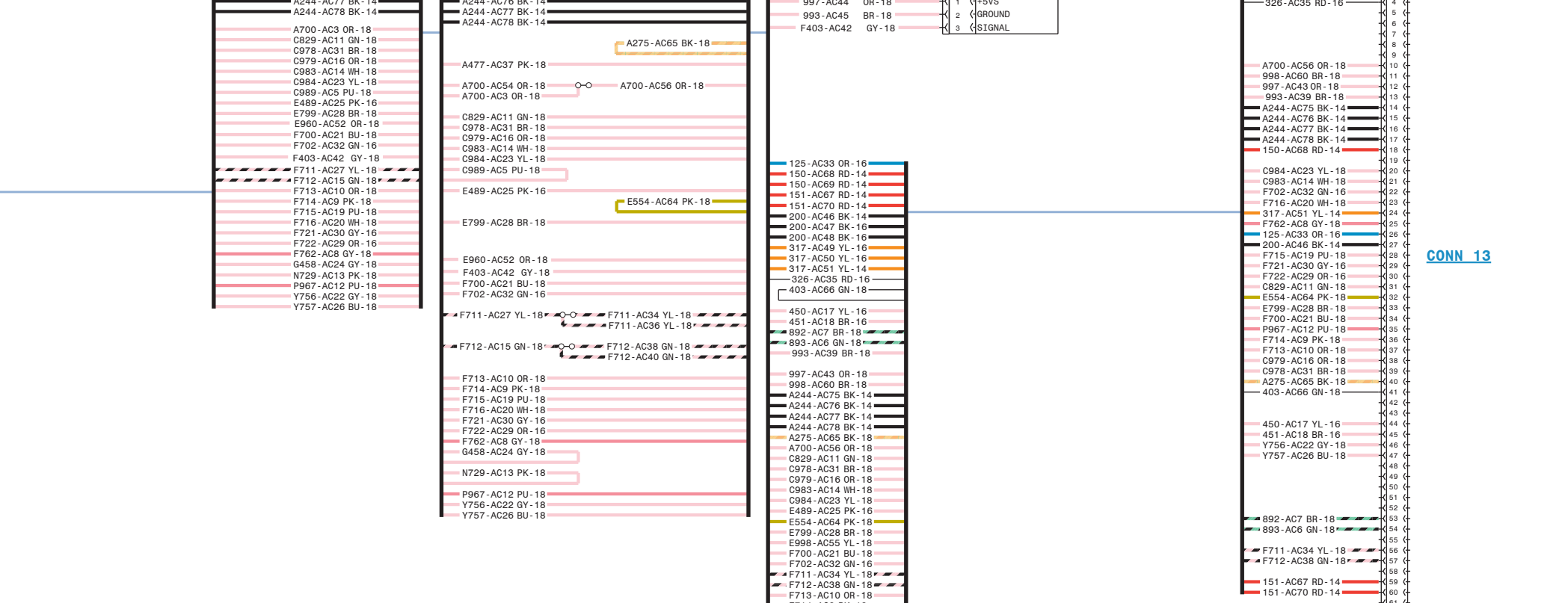
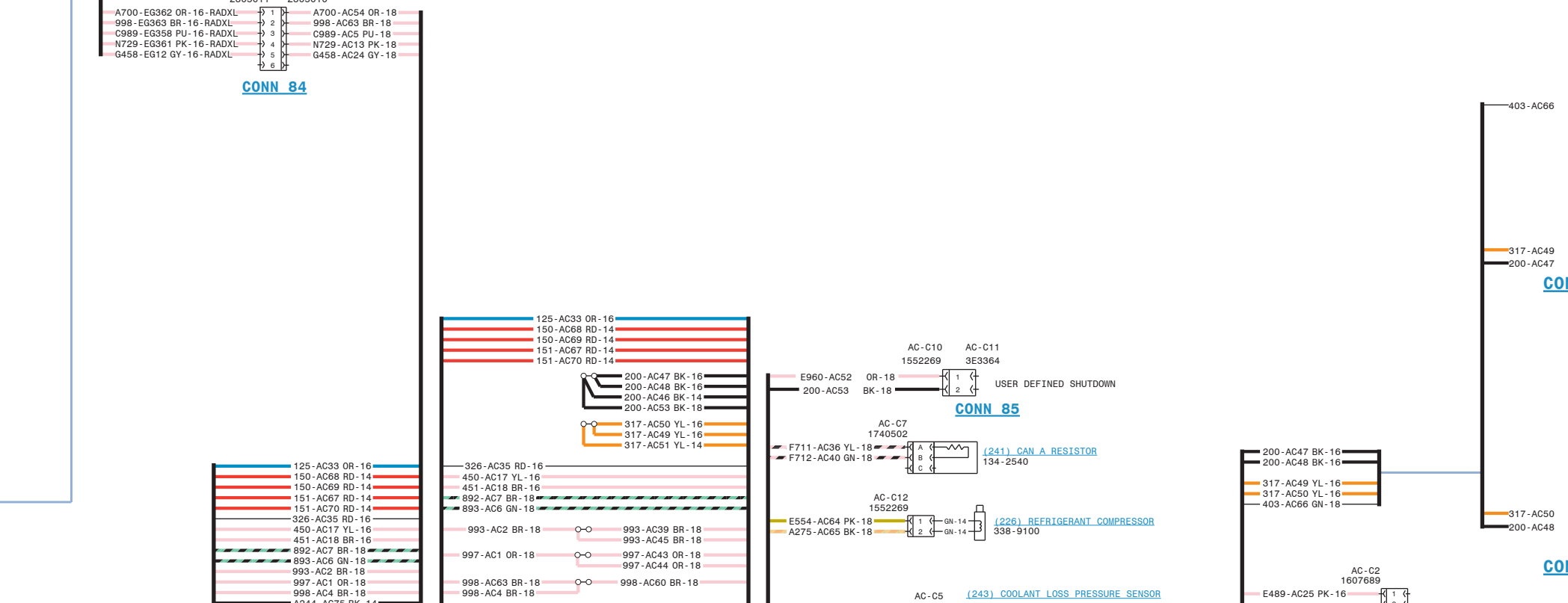
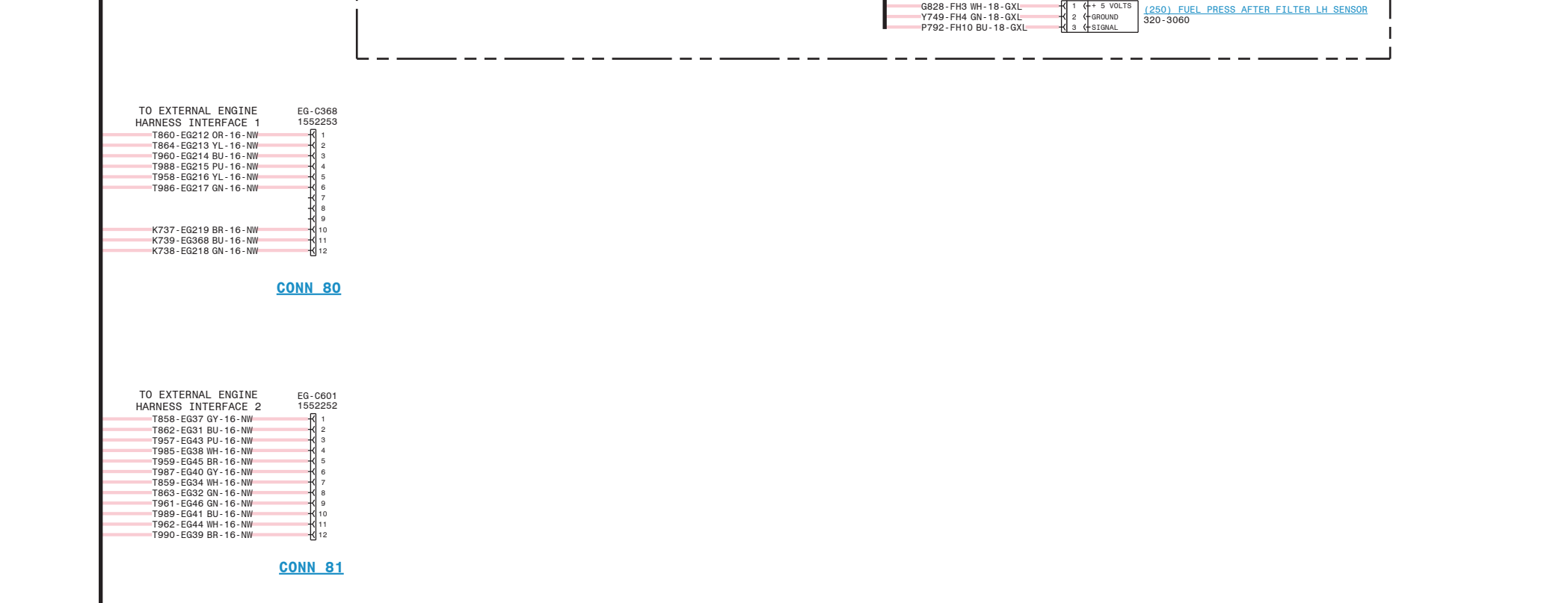
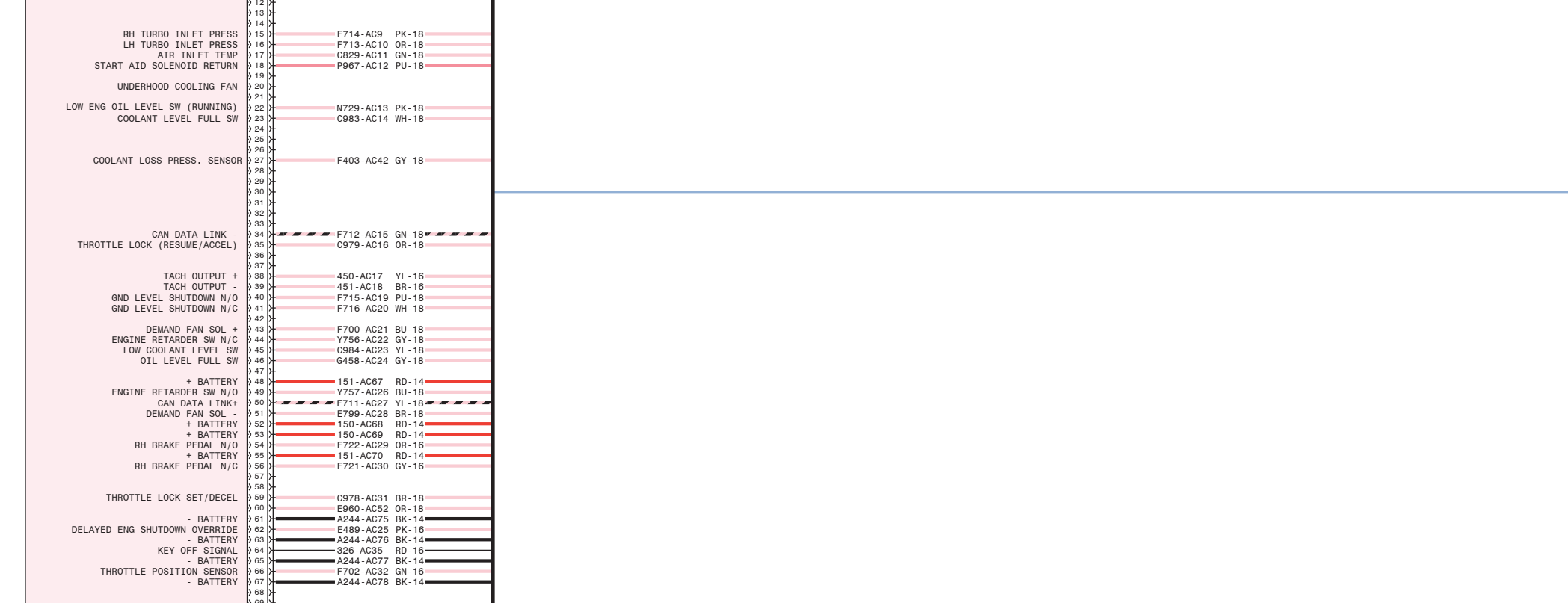
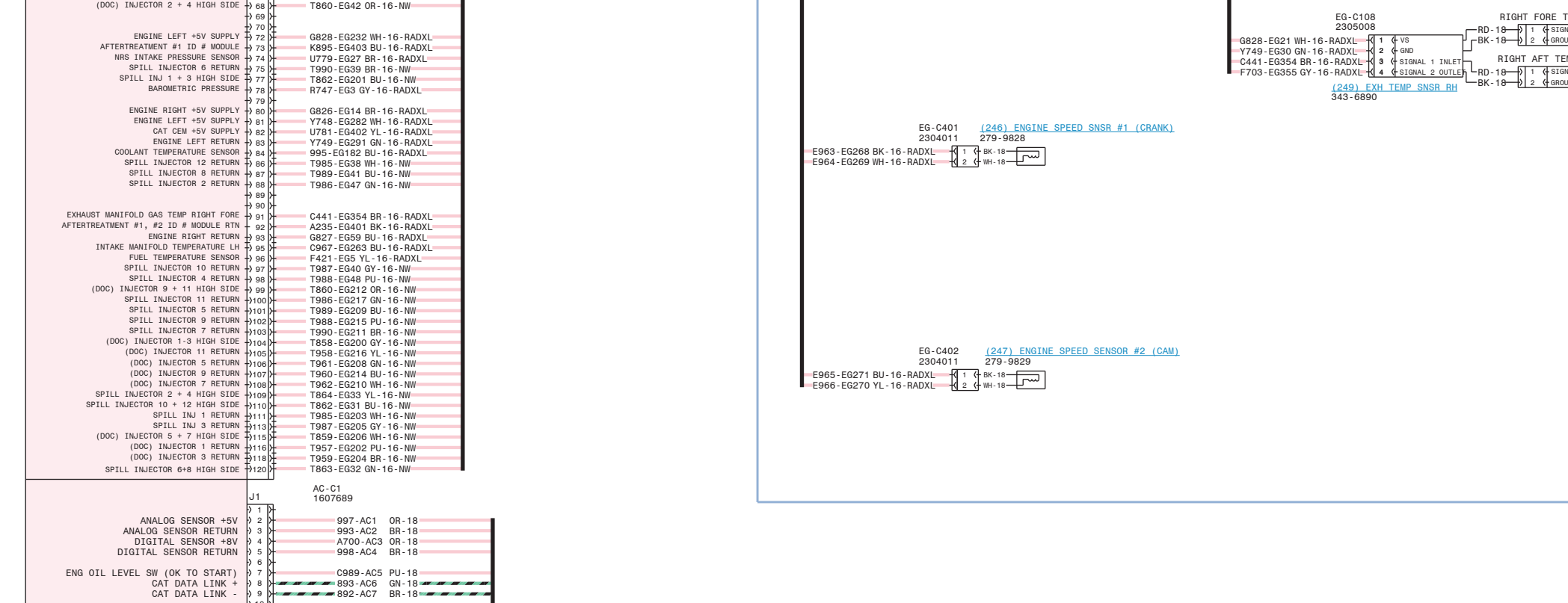
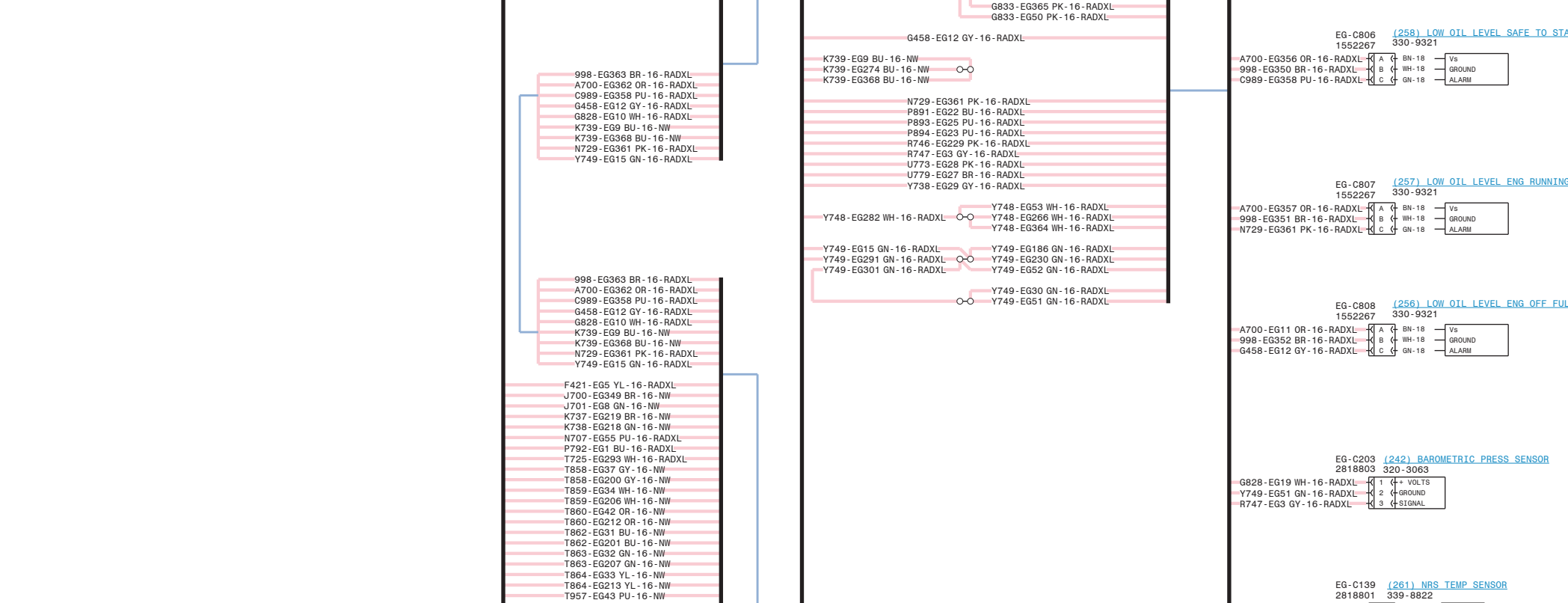
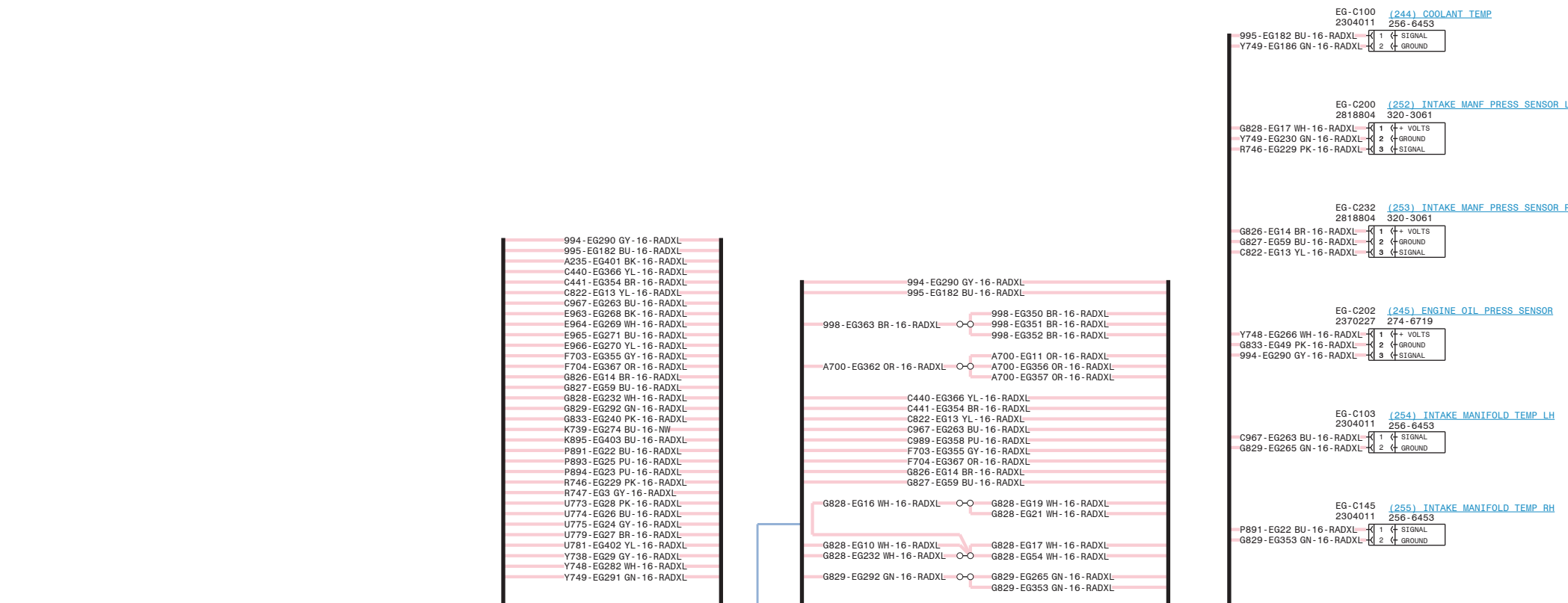
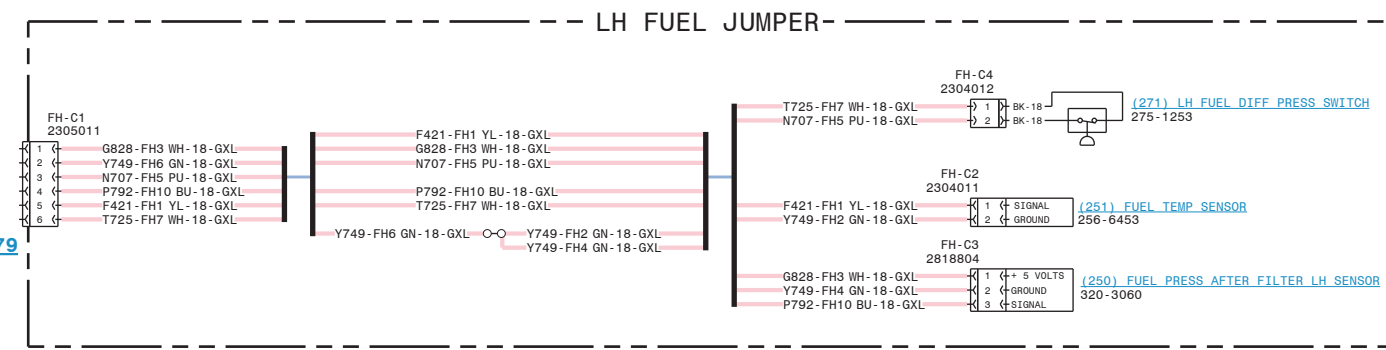


Connector Location - Vol 2 (CAB)	
Connector Number	Schematic Location
CONN 2	D-15
CONN 11	I-16
CONN 42	J-14
CONN 43	H-14
CONN 44	F-14
CONN 45	E-14
CONN 46	A-14
CONN 55	F-3, I-14
CONN 56	G-15
CONN 57	G-15
CONN 58	F-15
CONN 59	D-14
CONN 60	B-14
CONN 61	B-14
CONN 62	A-14
CONN 63	J-11
CONN 64	D-5, H-12
CONN 65	D-5, G-10
CONN 66	A-5, F-12
CONN 67	E-12
CONN 68	E-12
CONN 69	E-12
CONN 70	J-5
CONN 71	H-5, I-5
CONN 72	G-5, I-5
CONN 73	G-5, H-5
CONN 74	B-6, C-6
CONN 75	A-7
CONN 76	I-3
CONN 77 VIMS SERVICE PORT	J-1
CONN 78 ET SERVICE TOOL	F-1

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 - Vol 3 (Engine)	
Connector Number	Schematic Location
<u>CONN 13</u>	<u>A-4</u>
<u>CONN 79</u>	<u>F-5</u>
<u>CONN 80</u>	<u>D-2, F-2, F-5</u>
<u>CONN 81</u>	<u>D-2, E-5, F-2</u>
<u>CONN 82</u>	<u>D-2, E-5, F-2</u>
<u>CONN 83</u>	<u>D-2, D-5, F-2</u>
<u>CONN 84</u>	<u>C-5</u>
<u>CONN 85</u>	<u>B-4</u>
<u>CONN 86</u>	<u>C-3</u>
<u>CONN 87</u>	<u>B-3</u>

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.



SYMBOL	DESCRIPTION
+	CIRCUIT CONNECTED
-	CIRCUIT NOT CONNECTED
+	ELECTRICAL CONNECTION TO MACHINE STRUCTURE
-	INTERNAL ELECTRICAL CONNECTION TO SUBSYSTEM COMPONENT
+	CONNECTOR
+	CIRCUIT GROUPING DESIGNATION
+	ATCH WIRE CABLE COMPONENT
+	SPLICE
+	SLICE SENSE RING OR SENSE TERMINAL

ABBREV	COLOR
RD	RED
WH	WHITE
OR	ORANGE
Y	YELLOW
PK	PINK
BK	BLACK
CY	GRAY
PU	PURPLE
BR	BROWN
GN	GREEN
BL	BLUE

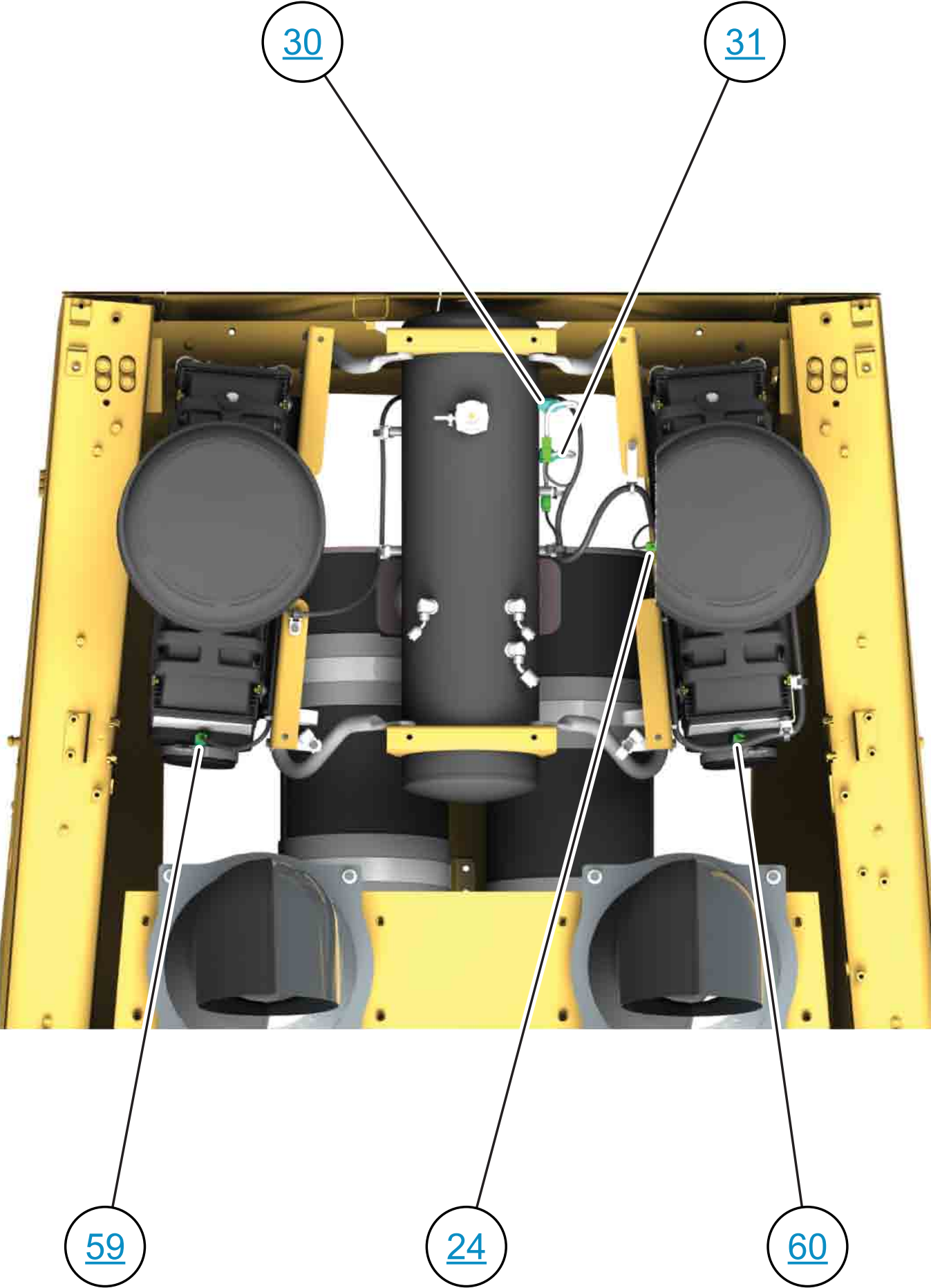
WIRE GROUP COLOR DESCRIPTIONS	
—	GROUND CIRCUIT
—	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS OFF
—	START AND CIRCUIT
—	STARTING CIRCUIT
—	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON
—	ENGINE CONTROL CIRCUIT
—	HEATER AND AIR CONDITIONER CIRCUIT
—	CAT DATALINK
—	CAN DATALINK
—	MAX/ELECTRICAL VALVE / TOOL CONTROL CIRCUIT

OTHER COLOR DESCRIPTIONS	
—	HIGHWAYS

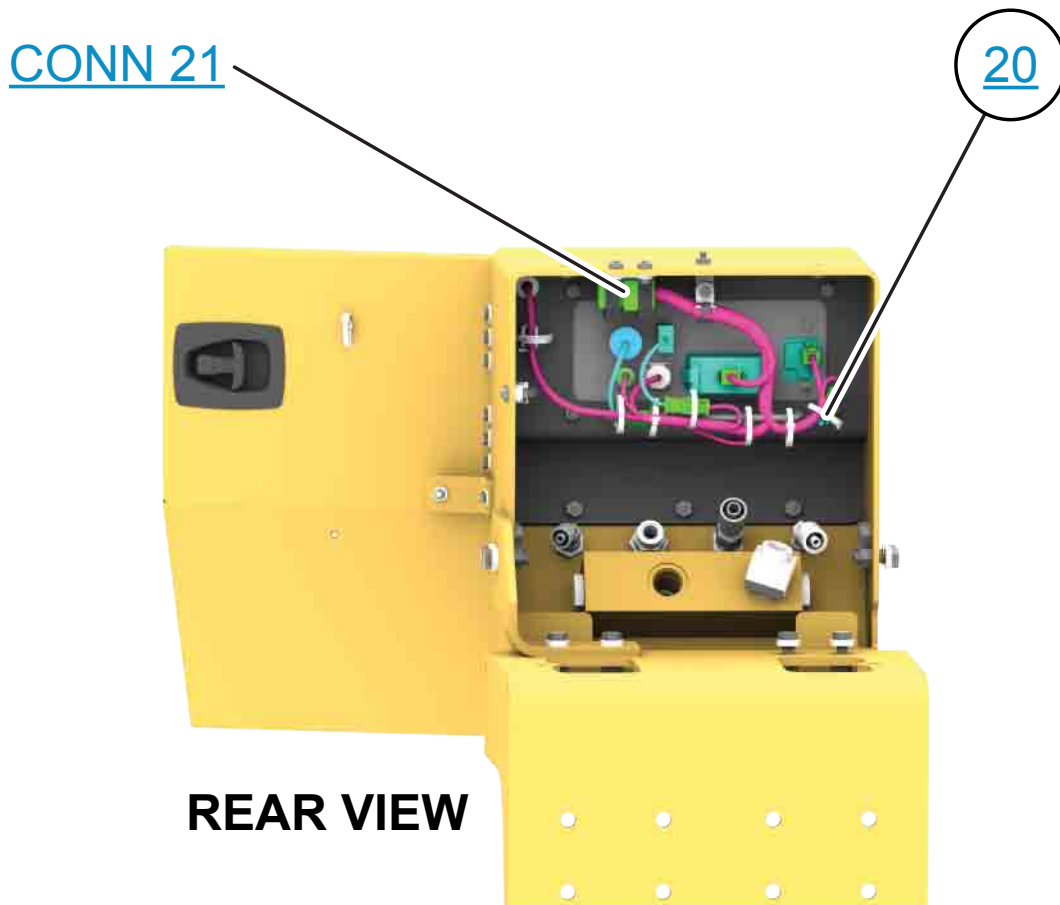
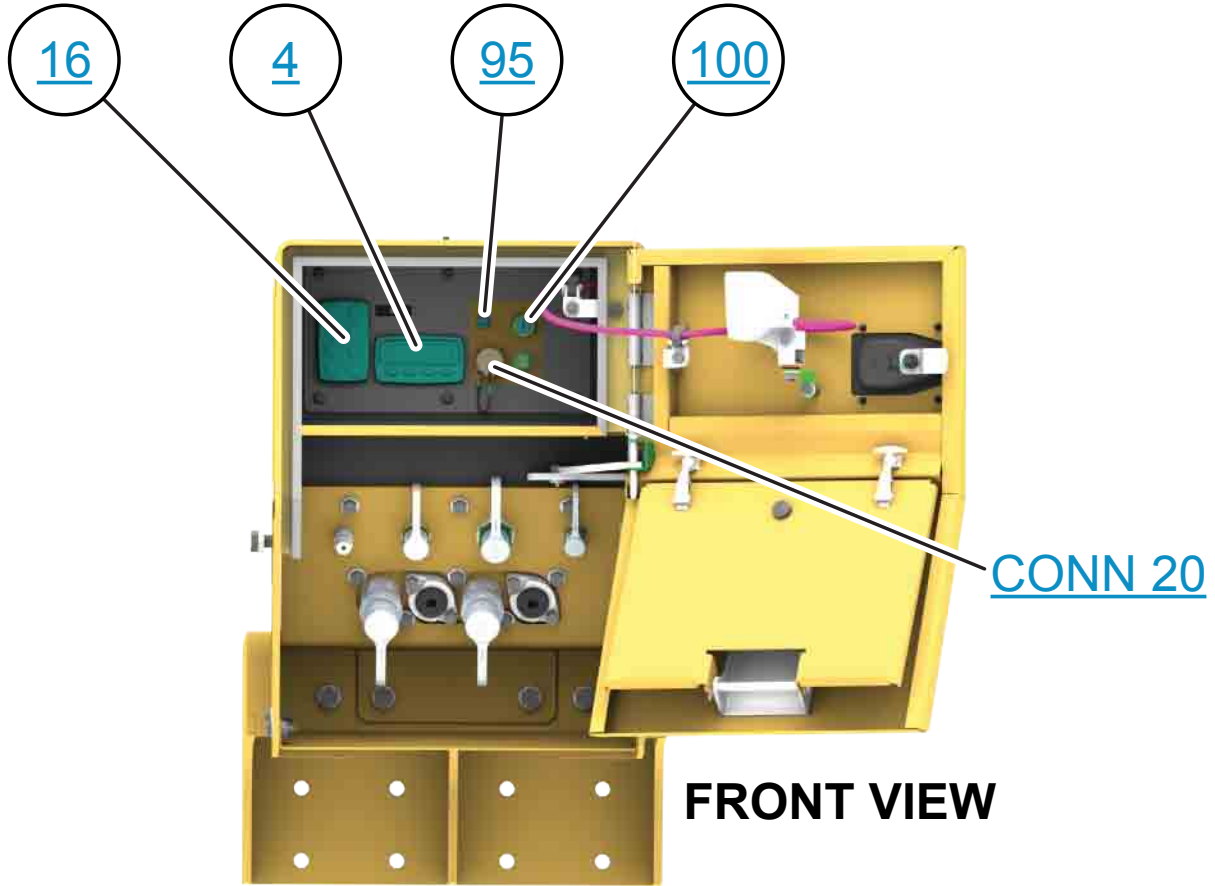
CALLOUTS
Callout Number: (52) VALVE GP - CONTROL
Component Location: 138-1234
Component Label Date: Part Number

THIS SCHEMATIC IS FOR THE 844K WHEEL DOZER AND 990K WHEEL LOADER
 ELECTRICAL SYSTEM
 VOLUME 3 of 3: ENGINE WIRING
 MEDIA NUMBER: UENR4996
 SCHEMATIC PART NUMBER: 399-5173, CHANGE: 05, VERSION: 1
 Components are shown installed on a fully operable 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 Operations.
 Refer to the Parts Manual using a specific serial number prefix in SIS before ordering parts from this schematic.

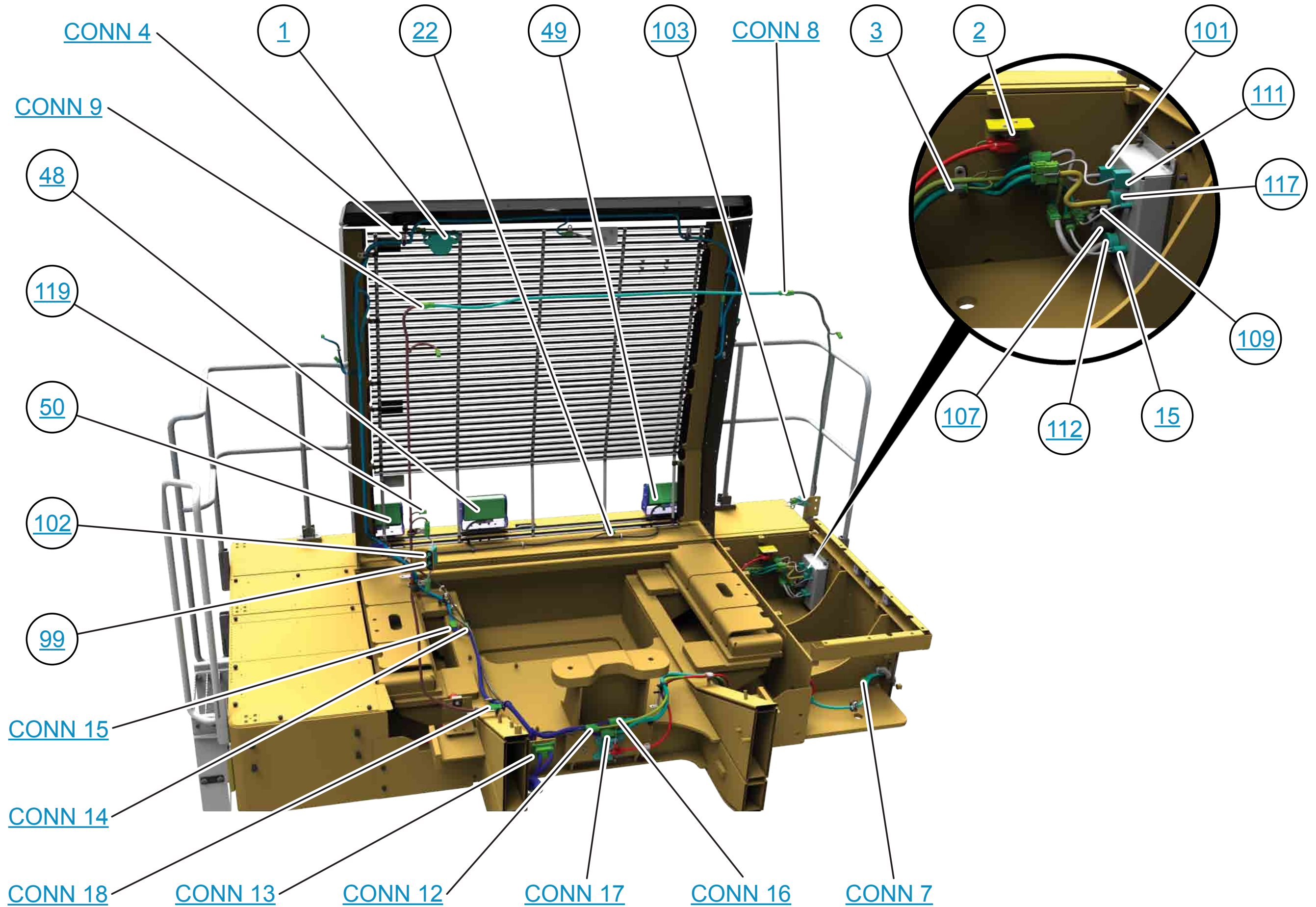
TOP REAR HOOD VIEW



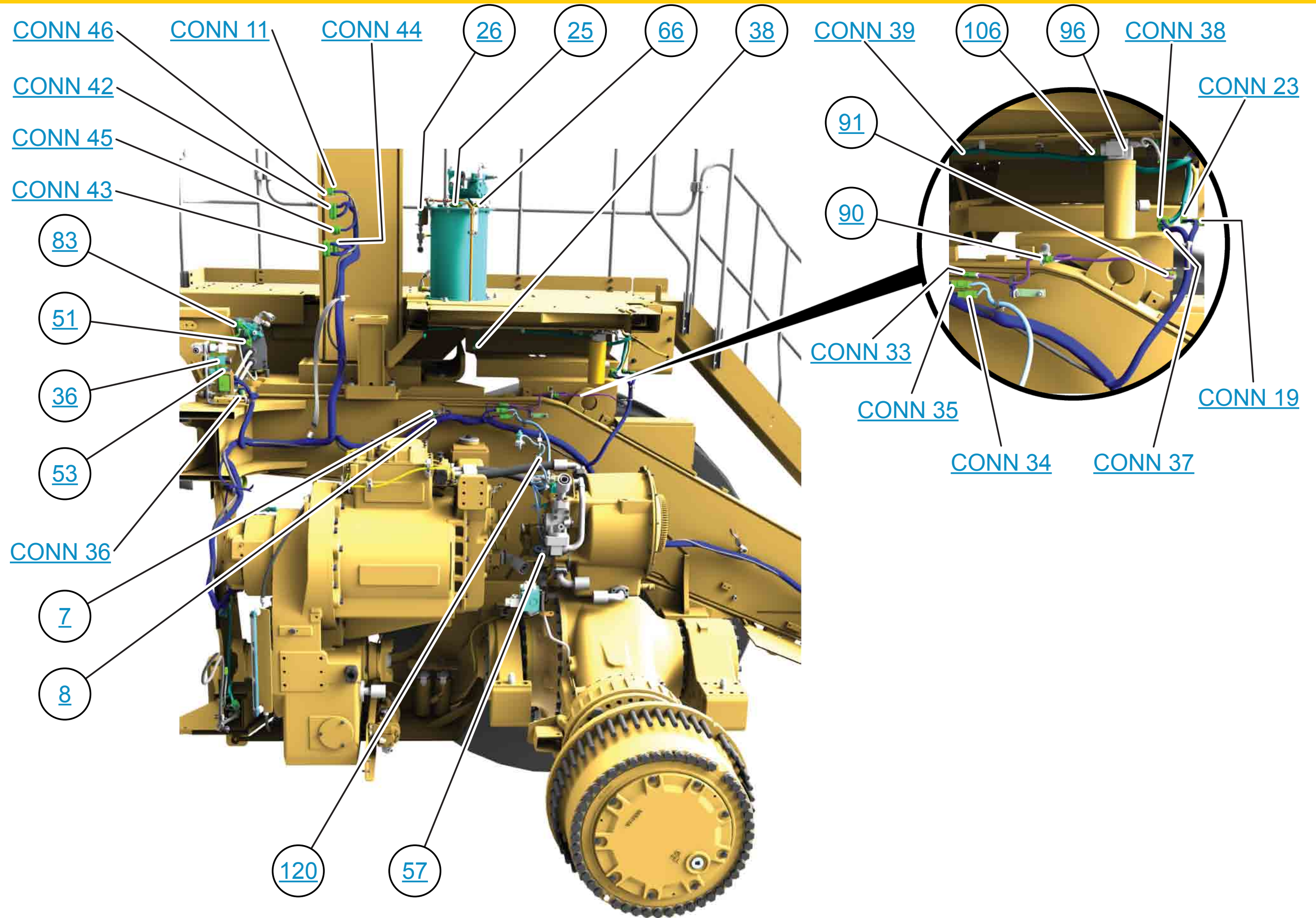
SERVICE CENTER VIEW



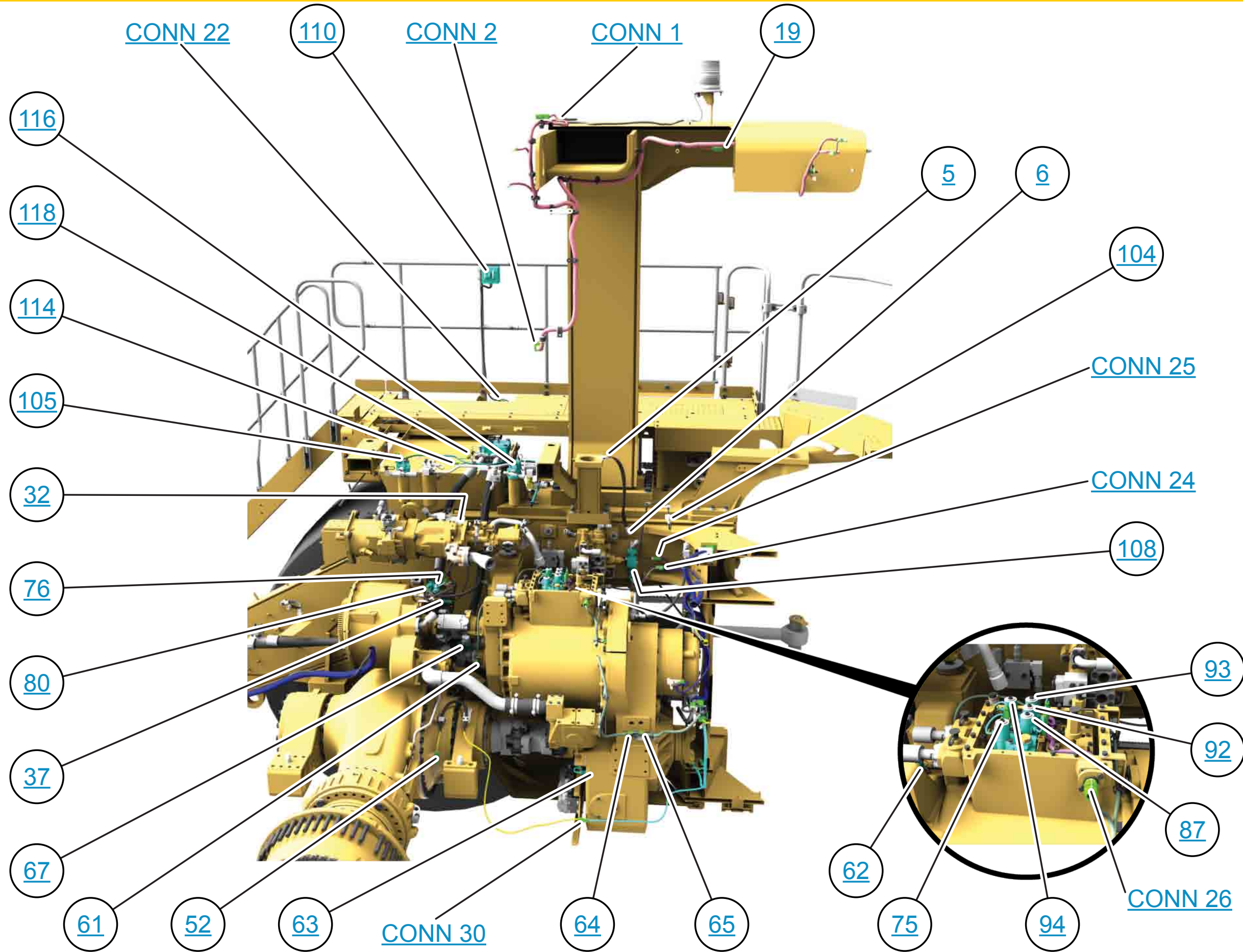
REAR BUMPER VIEW

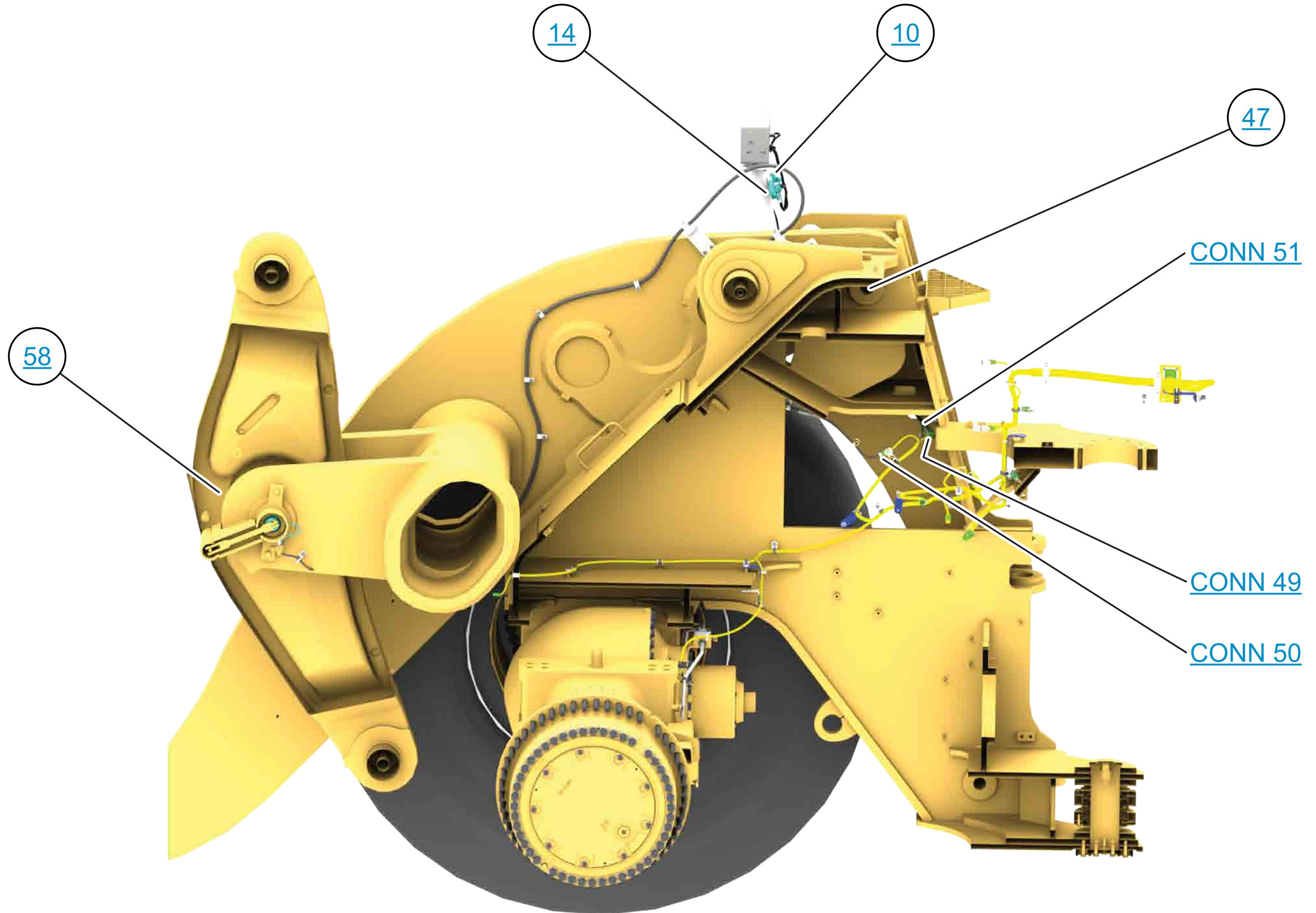


INSIDE RIGHT CHASSIS VIEW

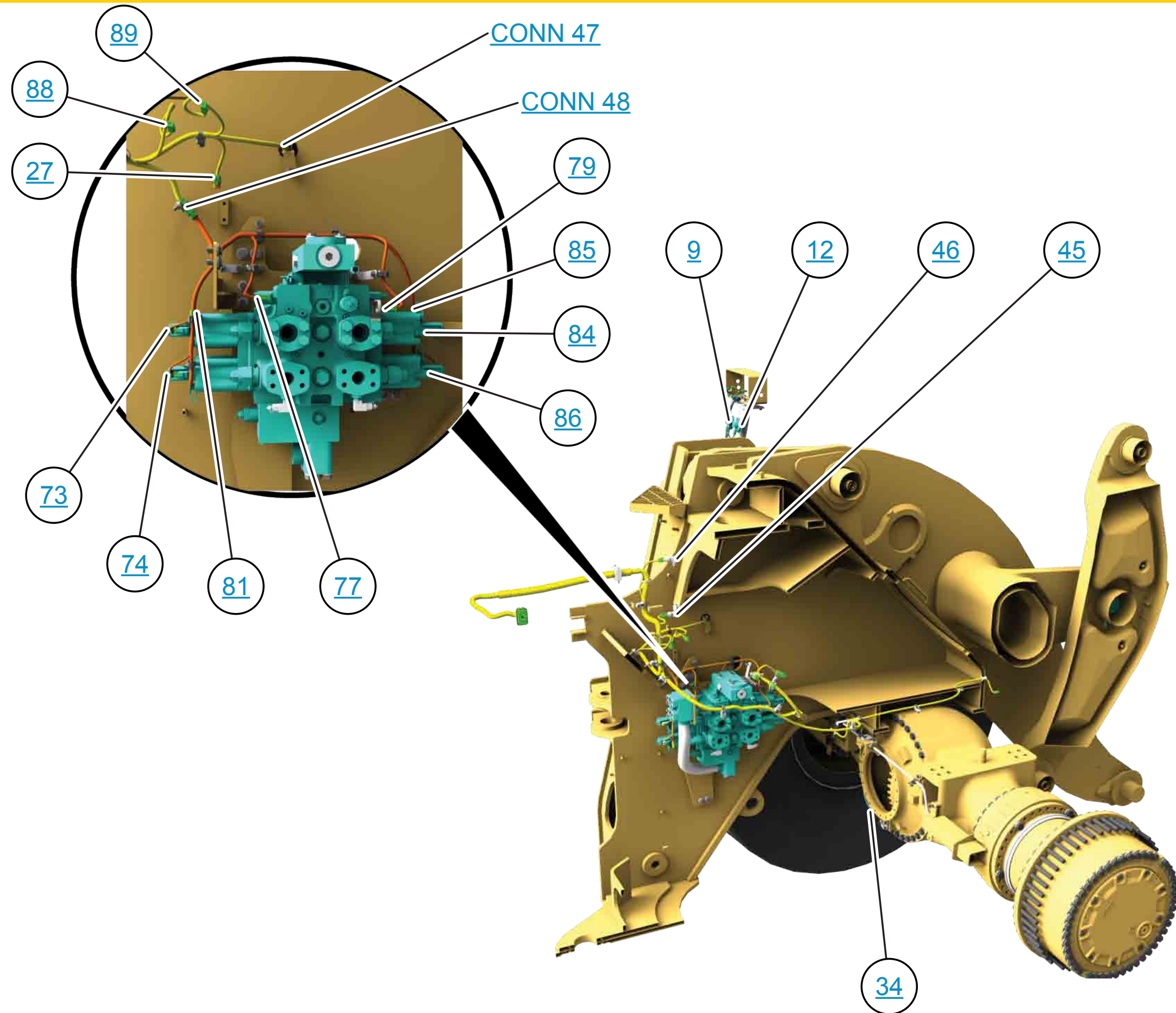


INSIDE LEFT CHASSIS VIEW

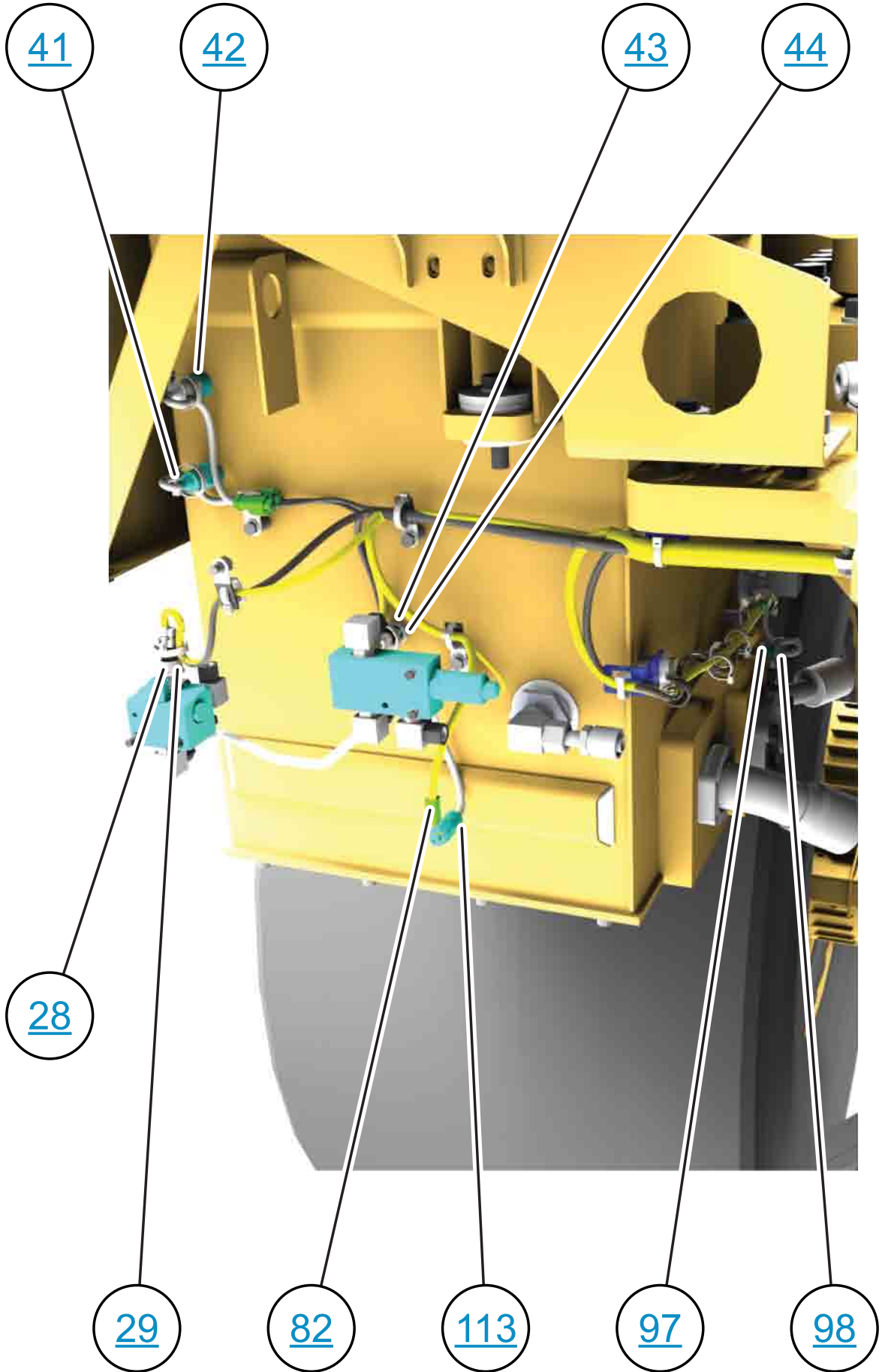




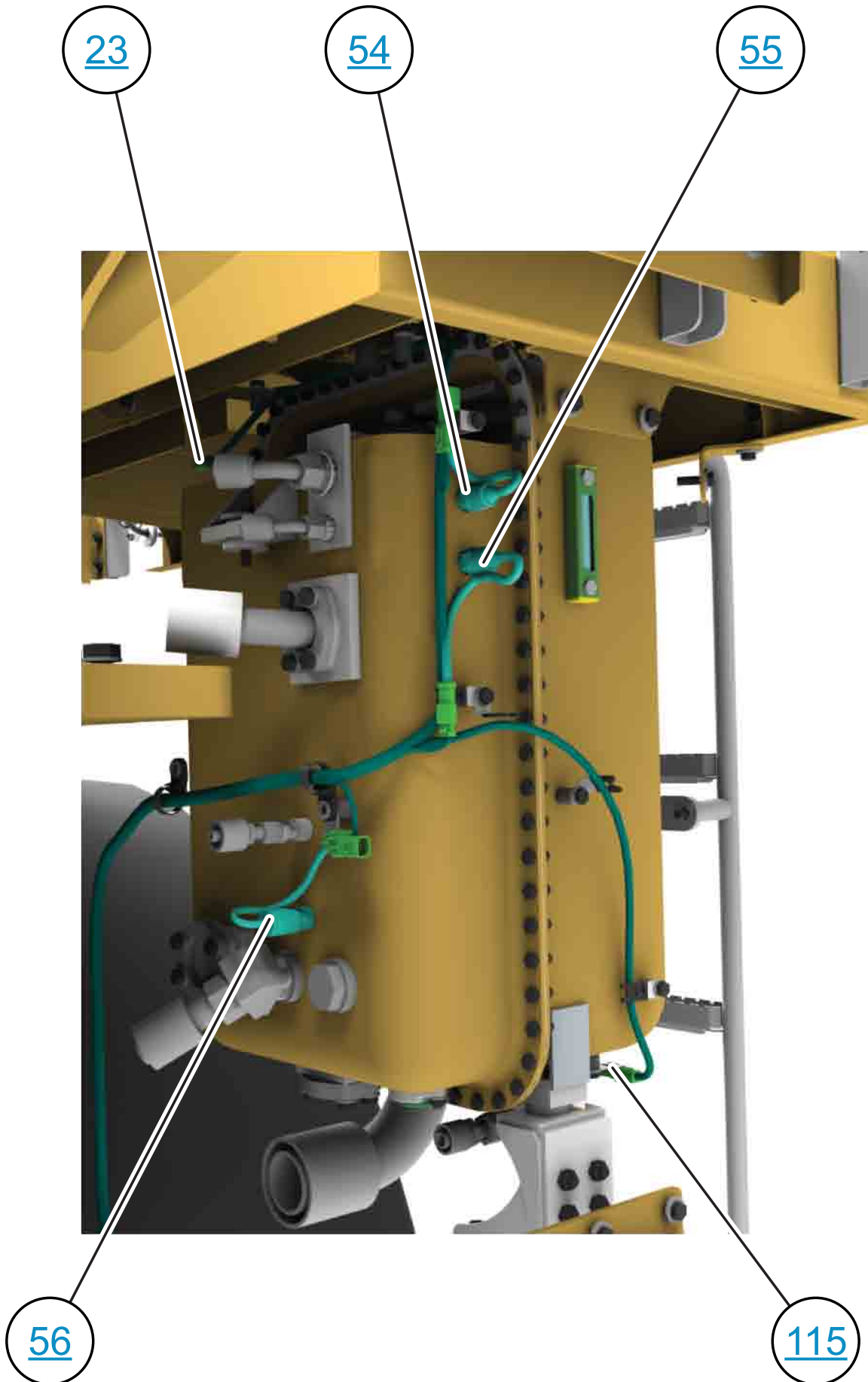
INSIDE FRONT LEFT CHASSIS VIEW (990K)



IMPLEMENT TANK FRONT VIEW



FUEL TANK FRONT VIEW



FRONT MACHINE VIEW



CONN 6

CONN 5

CONN 3

CONN 10

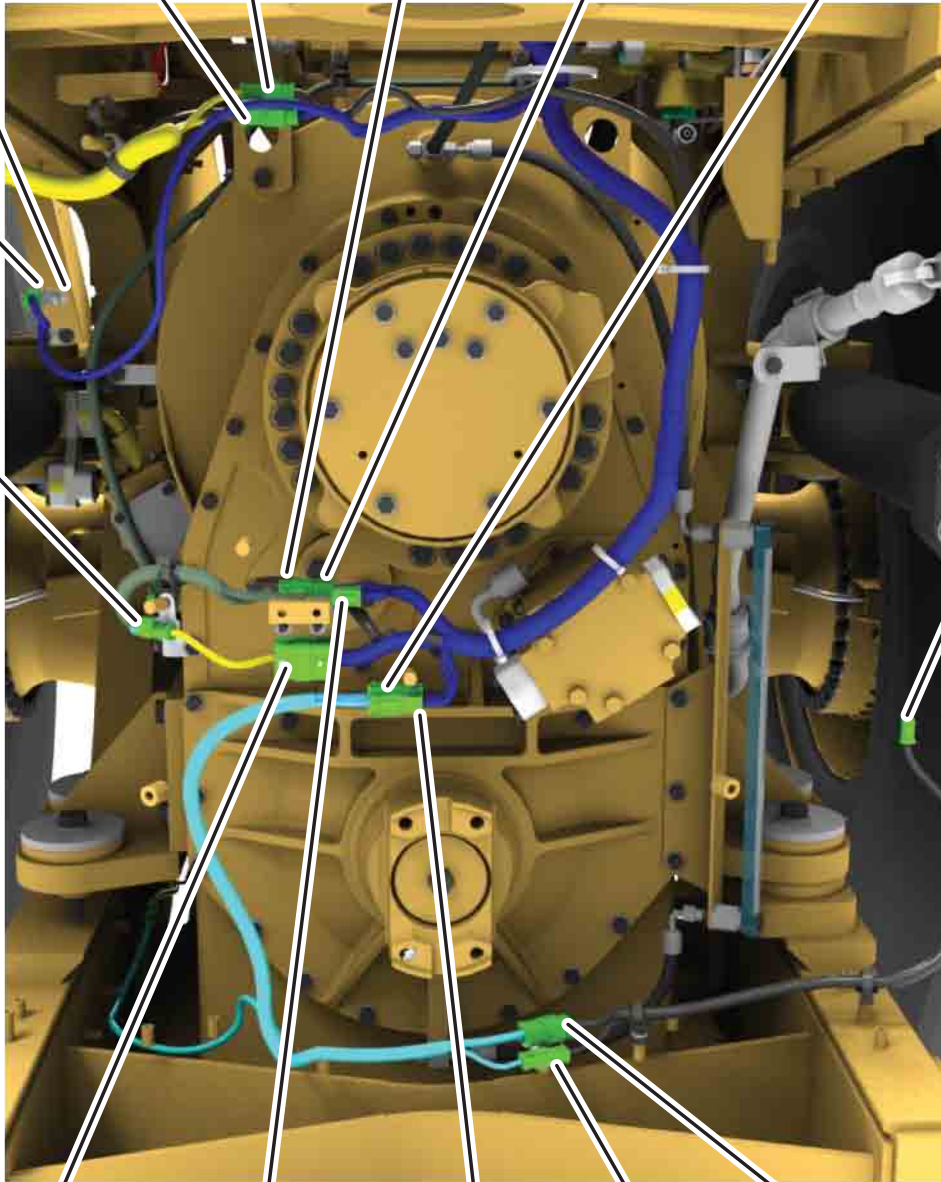
CONN 31

33

40

21

17



CONN 40

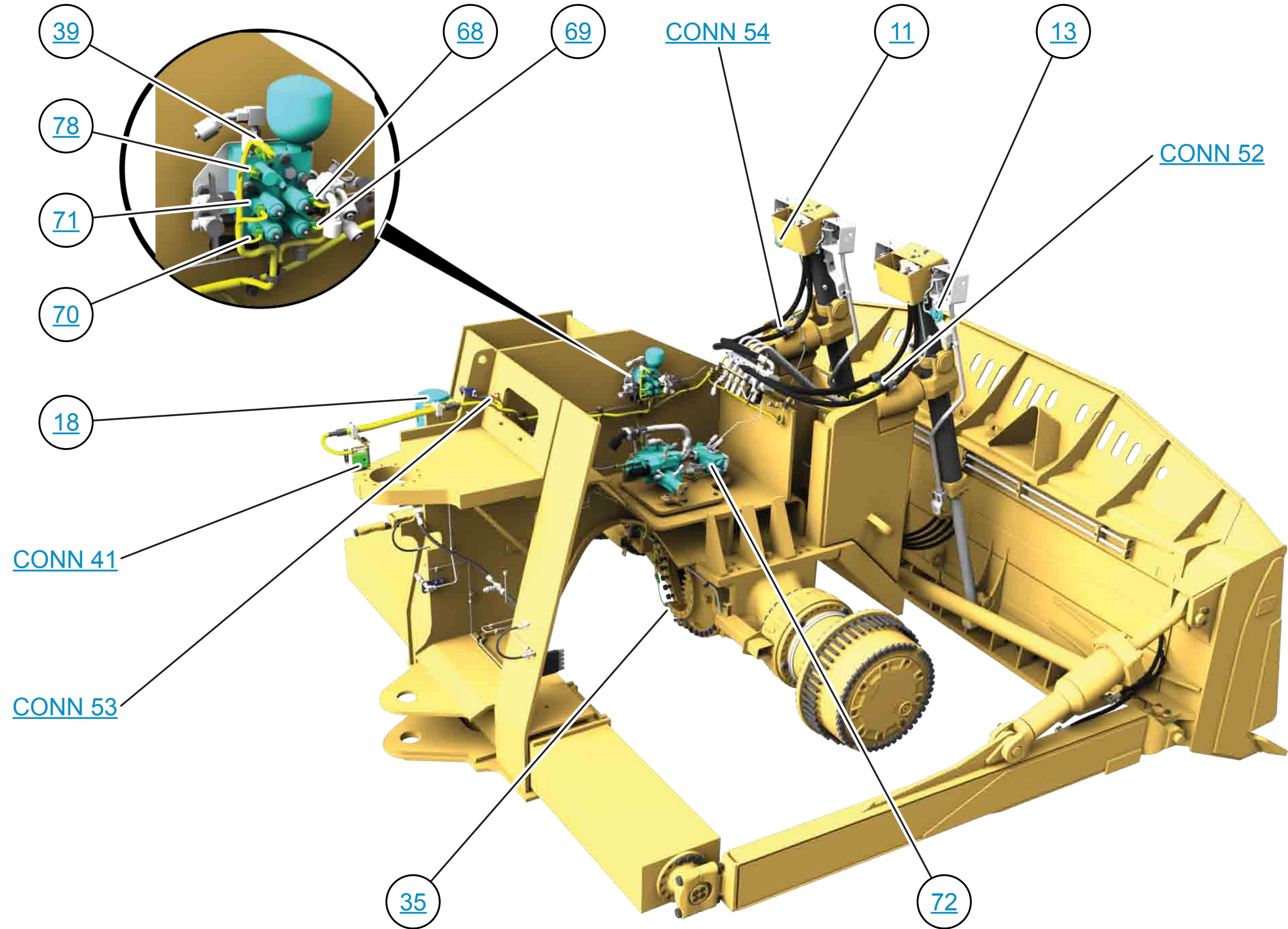
CONN 27

CONN 32

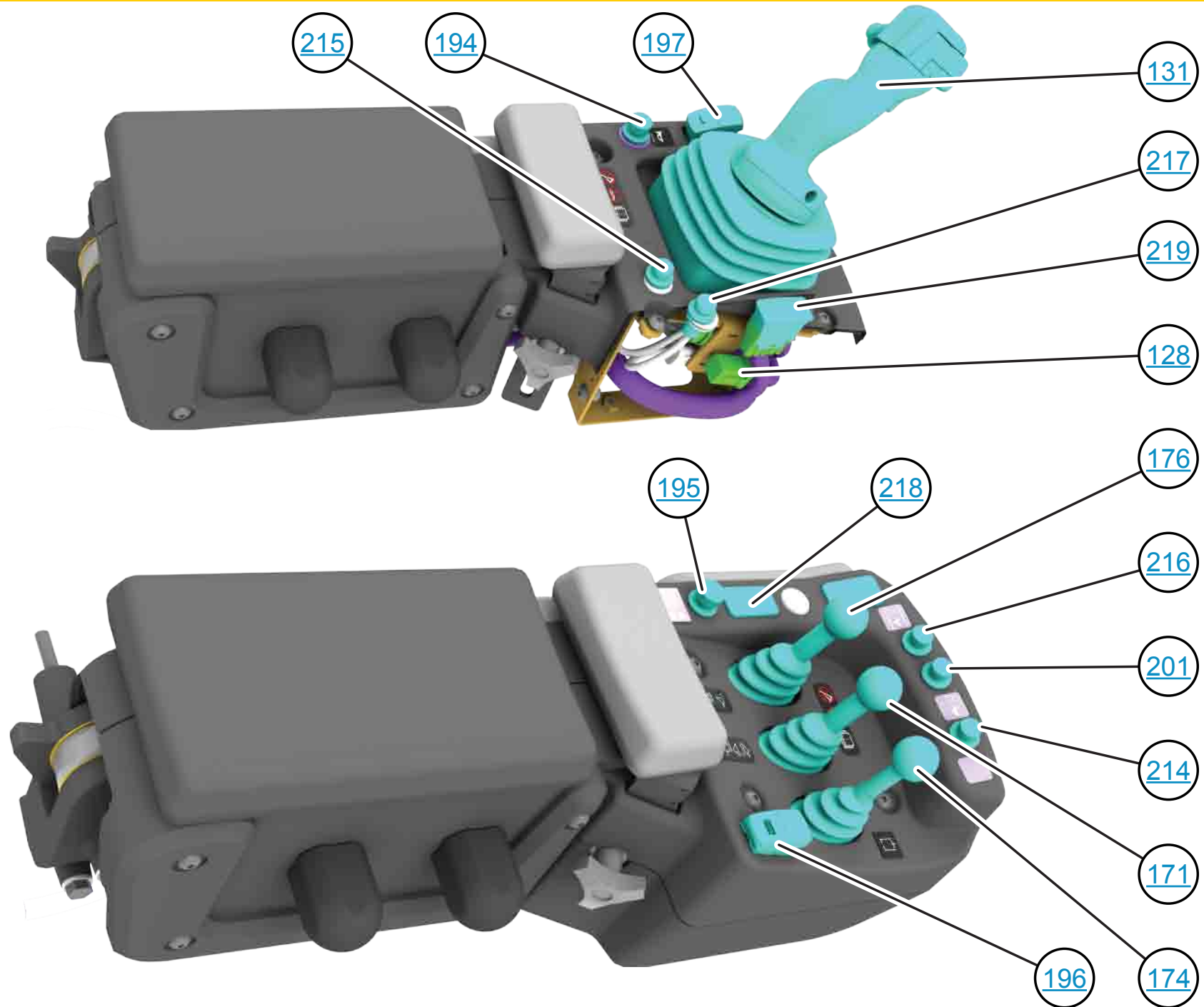
CONN 29

CONN 28

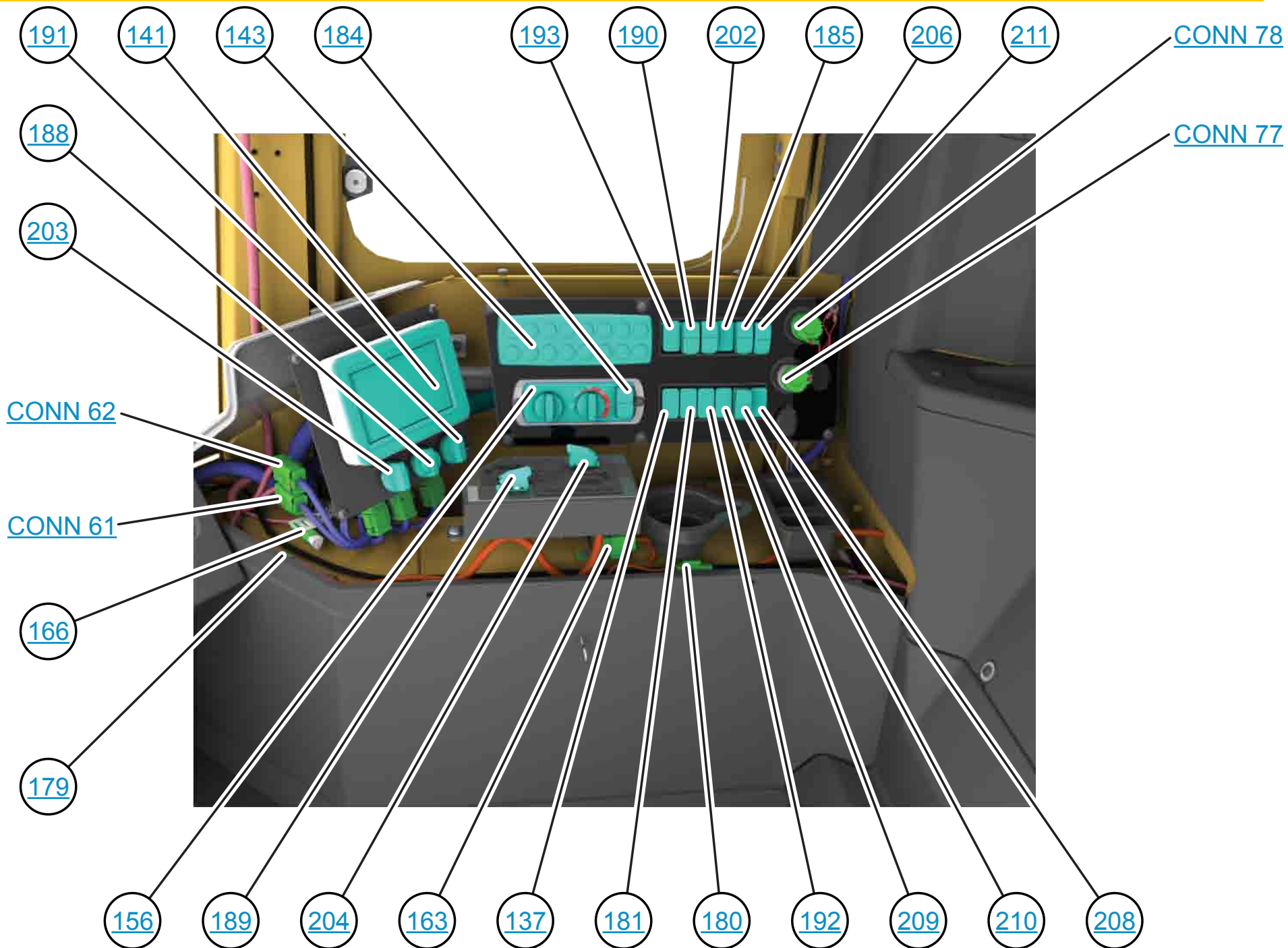
FRONT CHASSIS VIEW (844K)



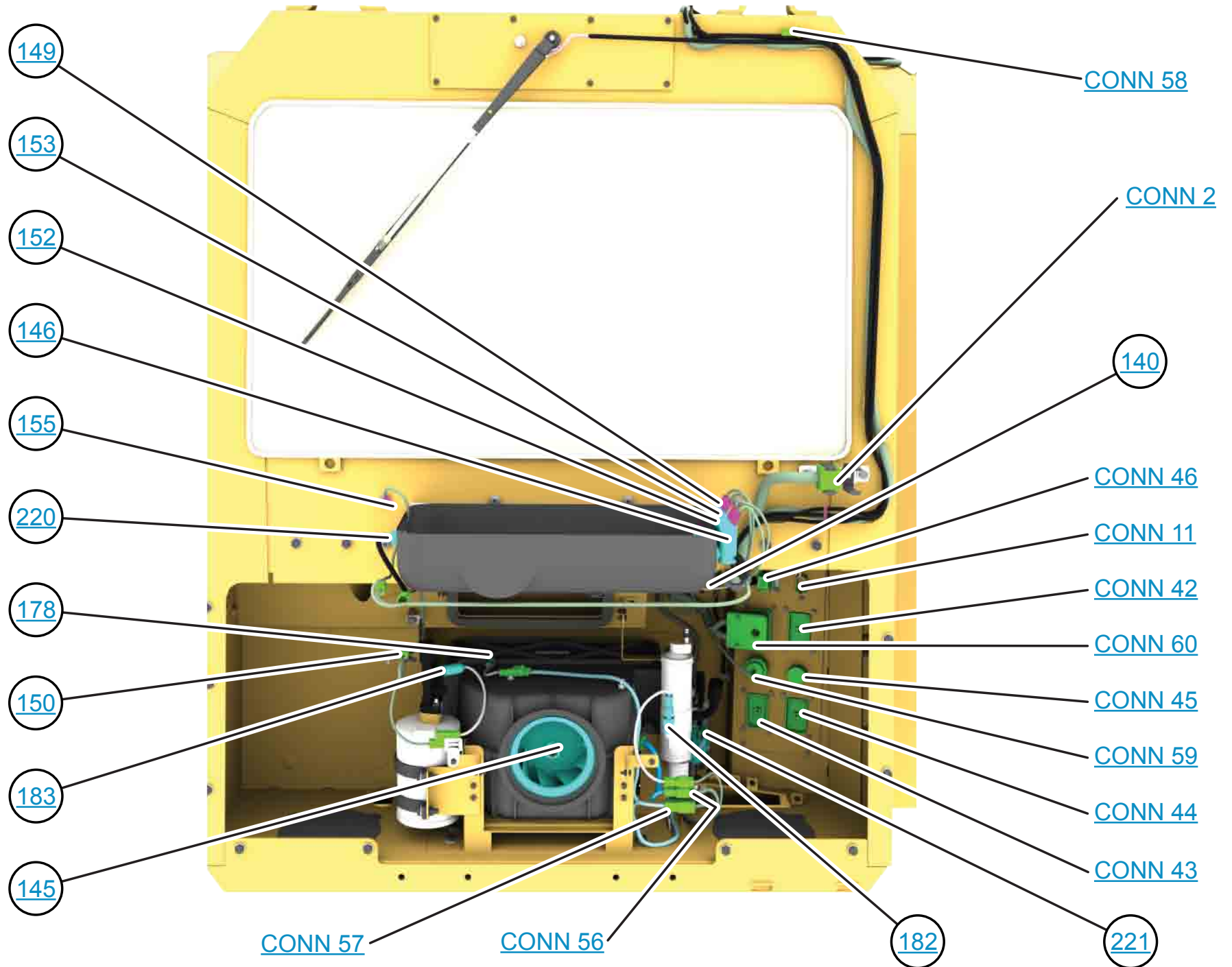
RIGHT HAND IMPLEMENT POD VIEW



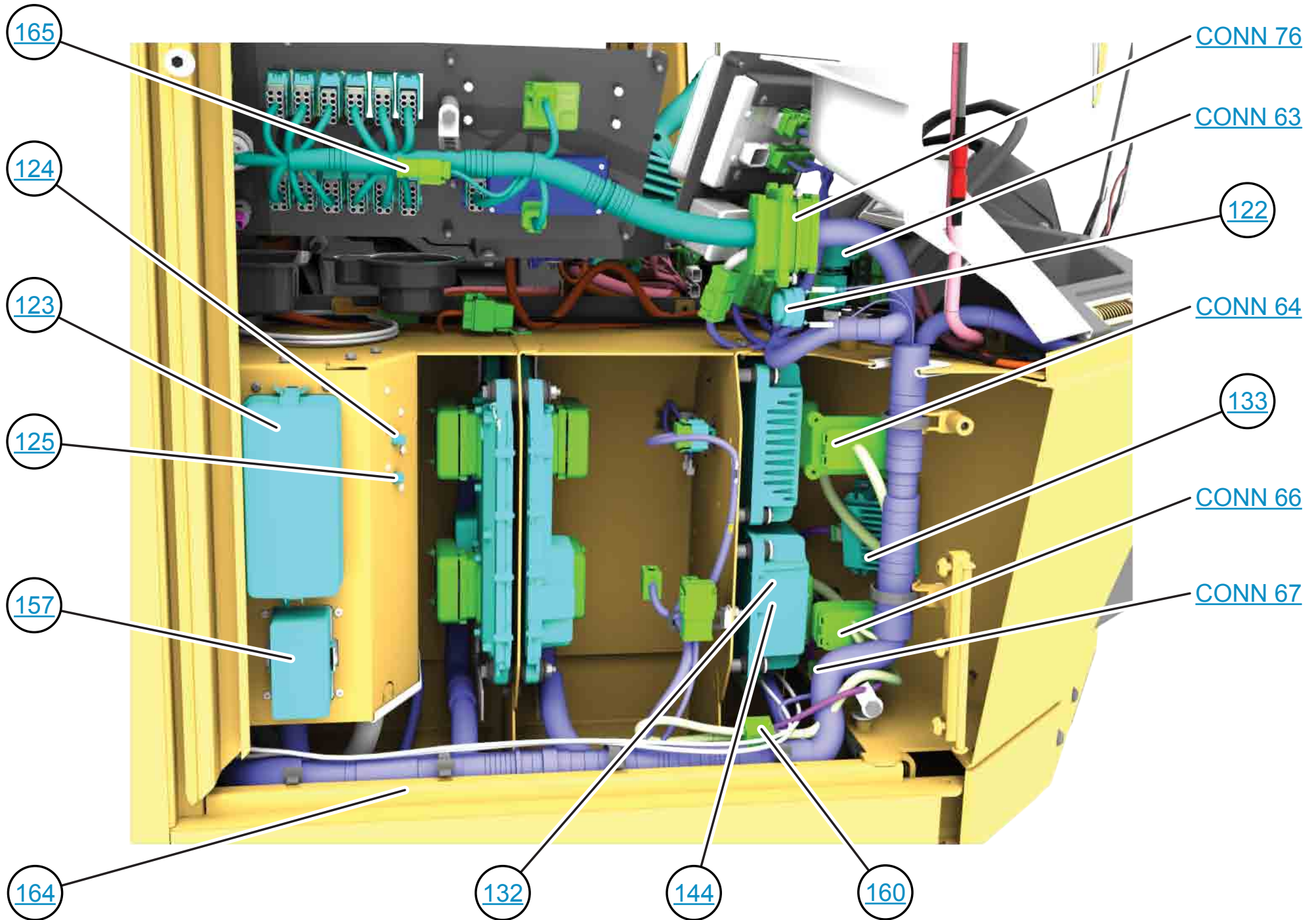
RIGHT CONSOLE VIEW



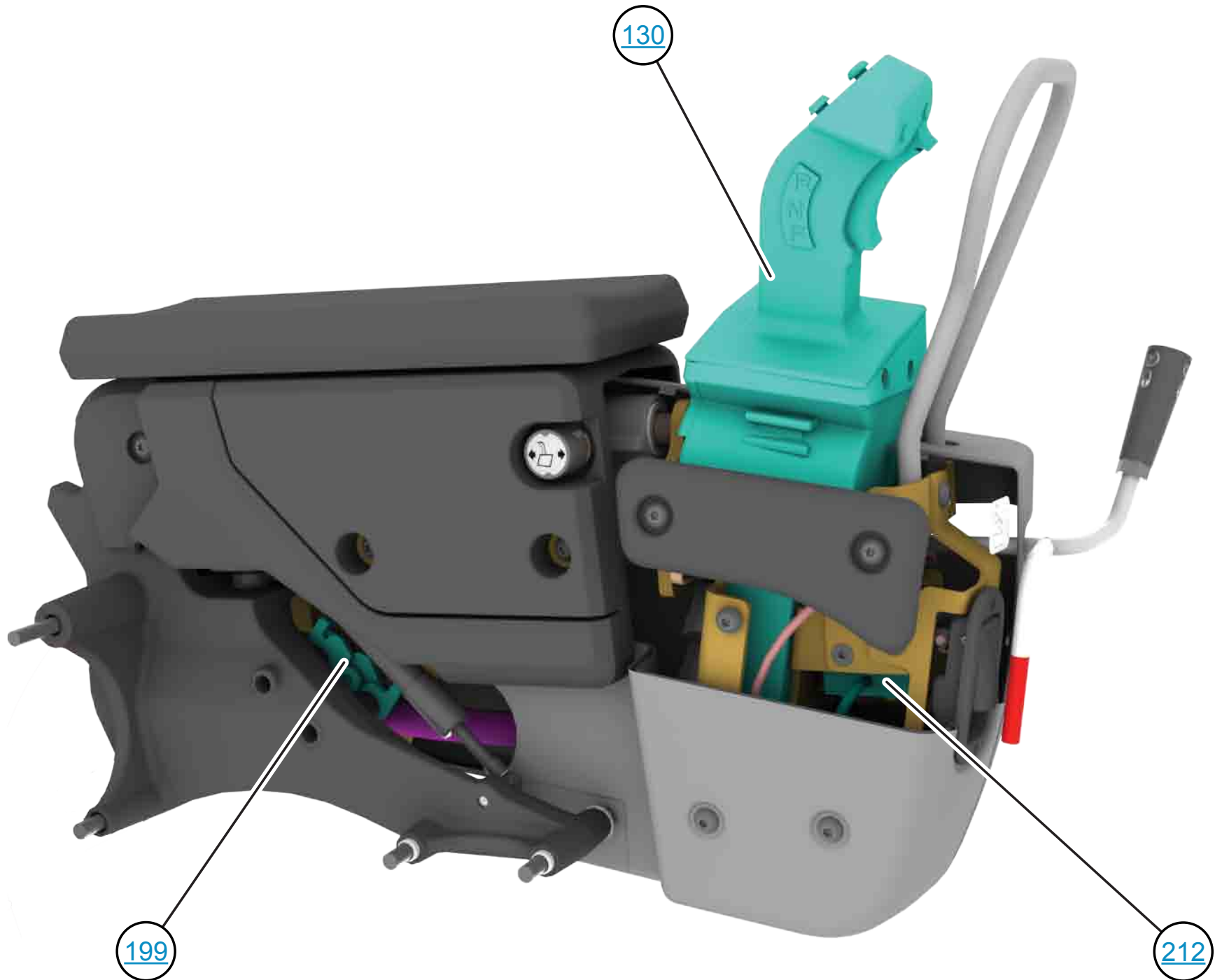
REAR CAB VIEW



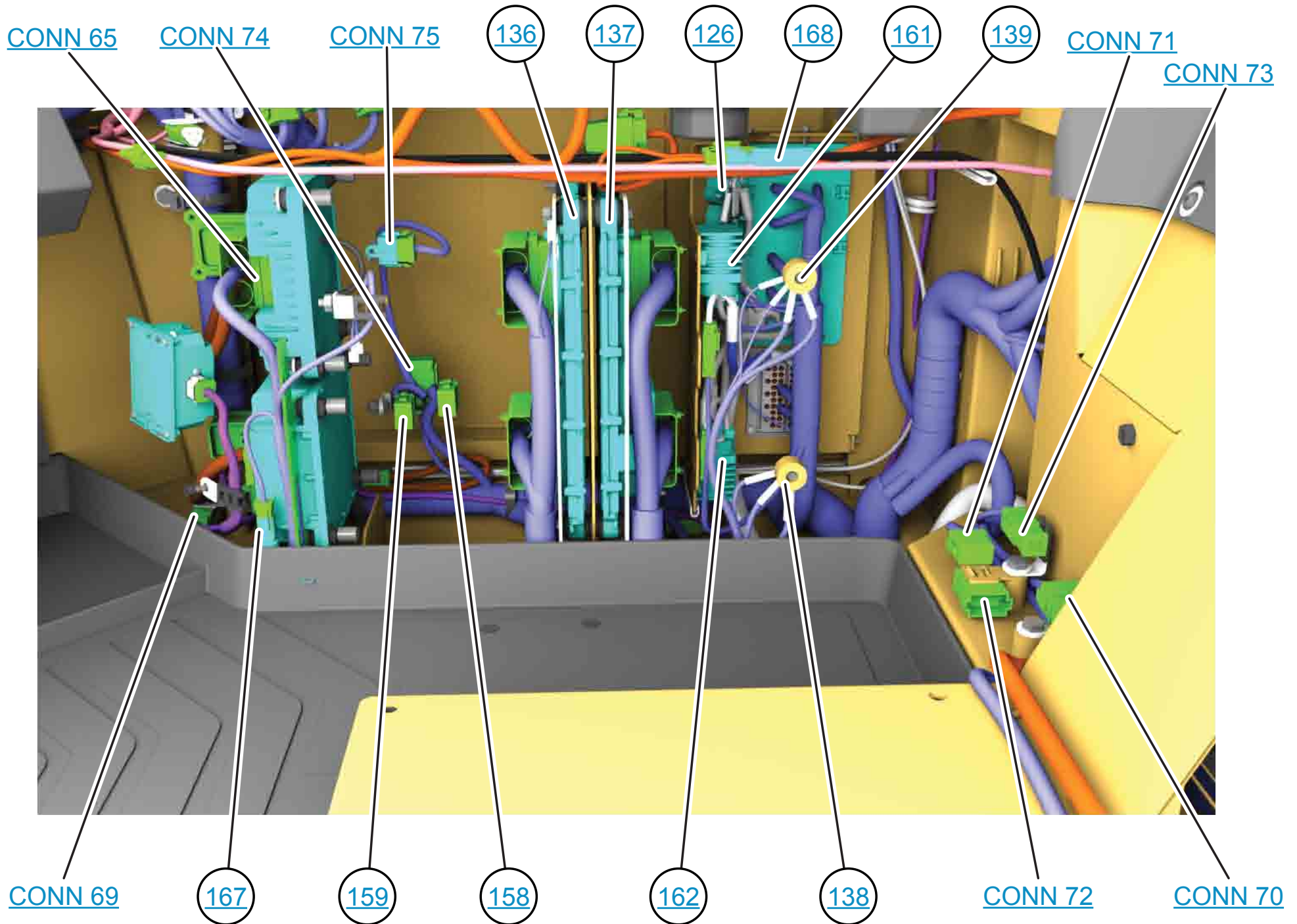
OUTSIDE RIGHT CONSOLE VIEW



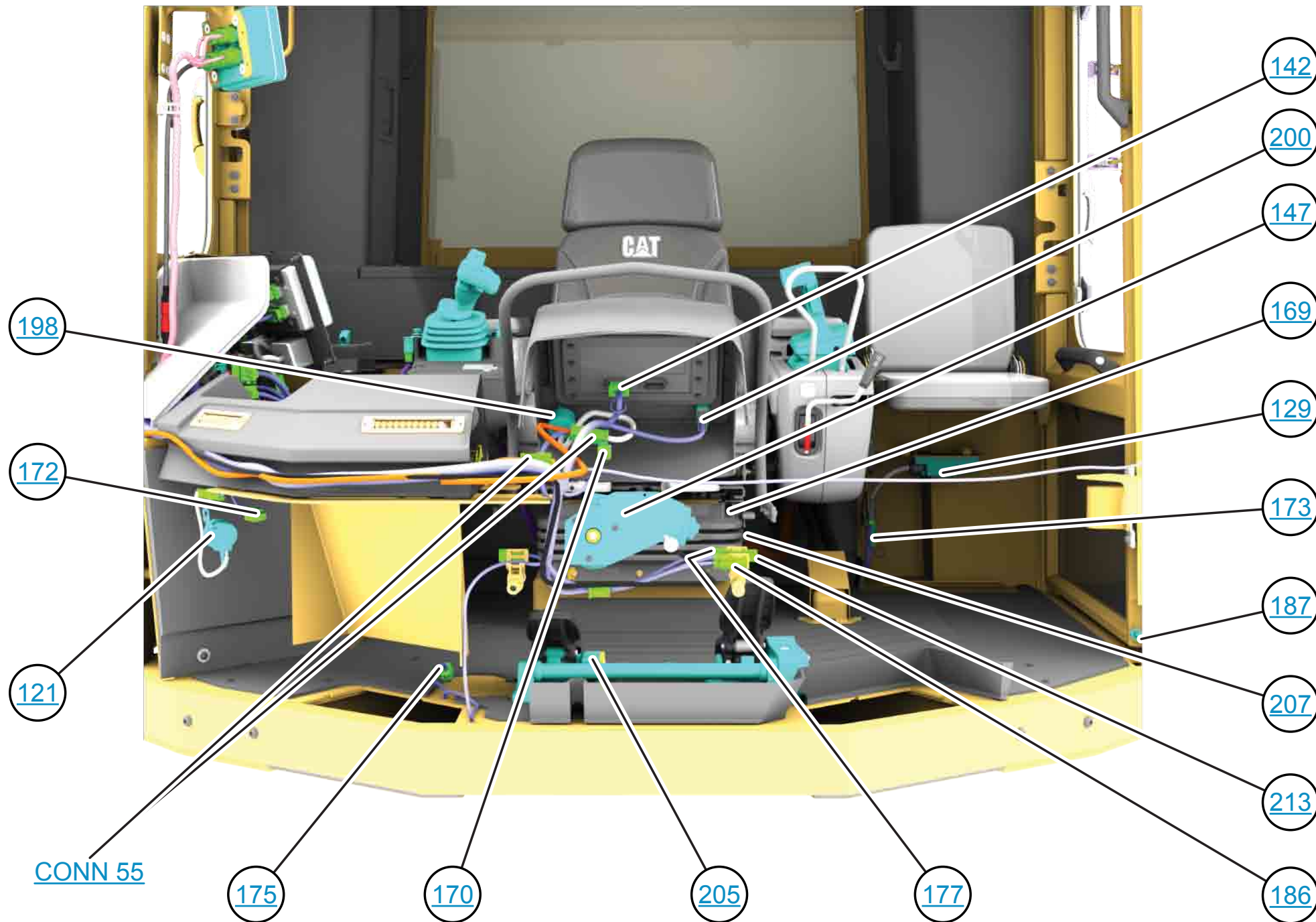
LEFT HAND IMPLEMENT POD VIEW



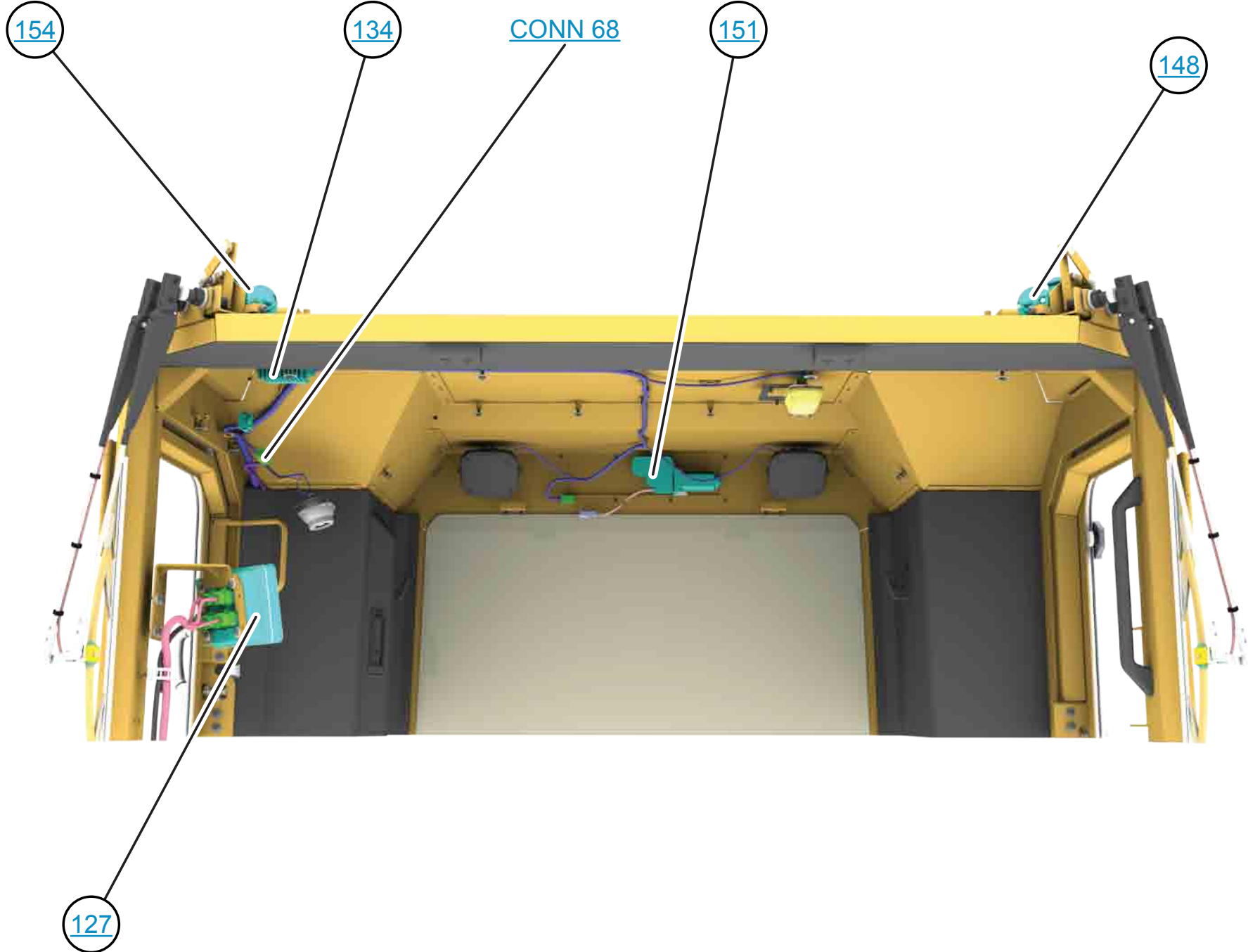
INSIDE RIGHT CONSOLE VIEW



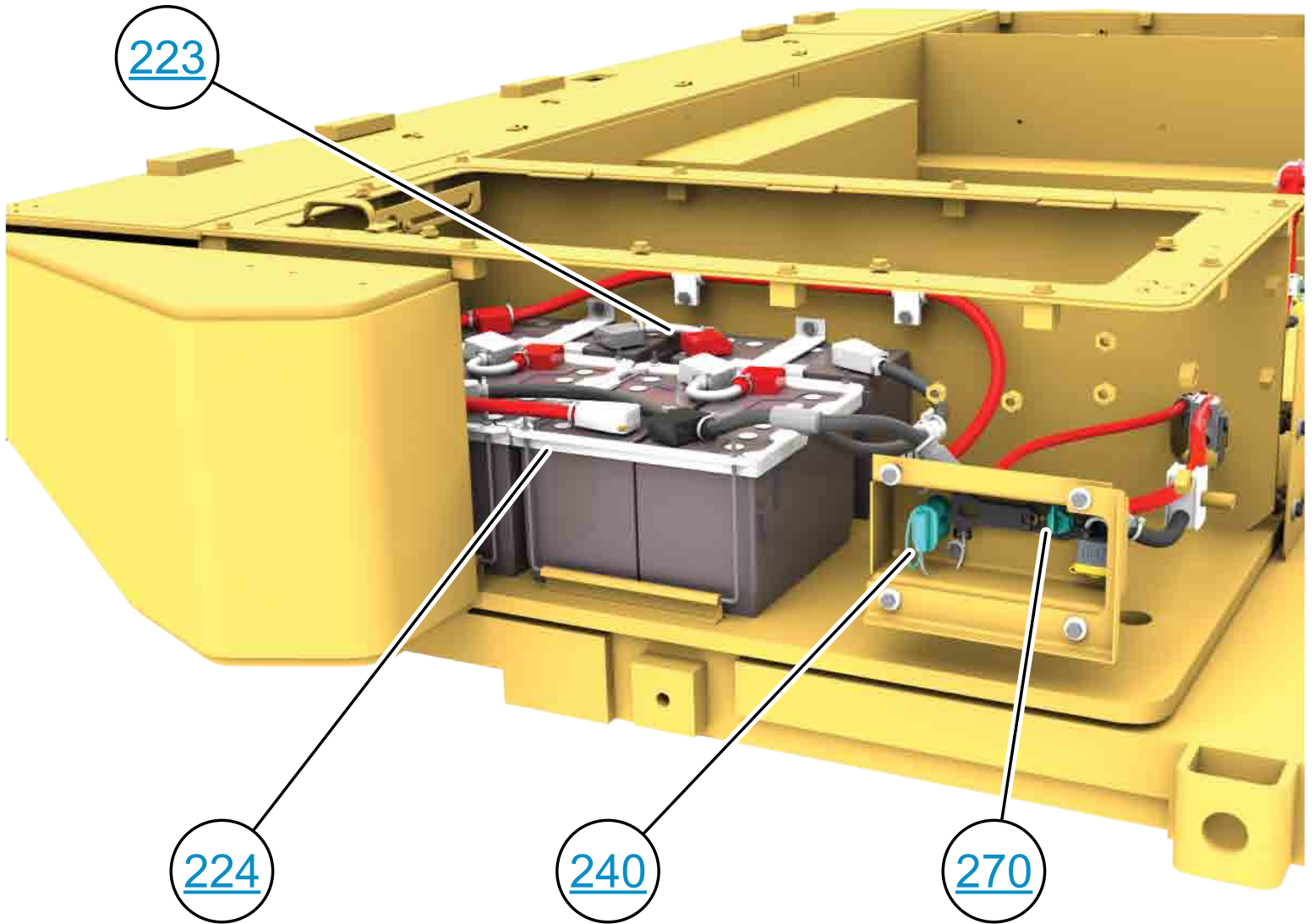
FRONT CAB VIEW



CAB FRONT TOP VIEW



RIGHT SIDE REAR BUMPER VIEW

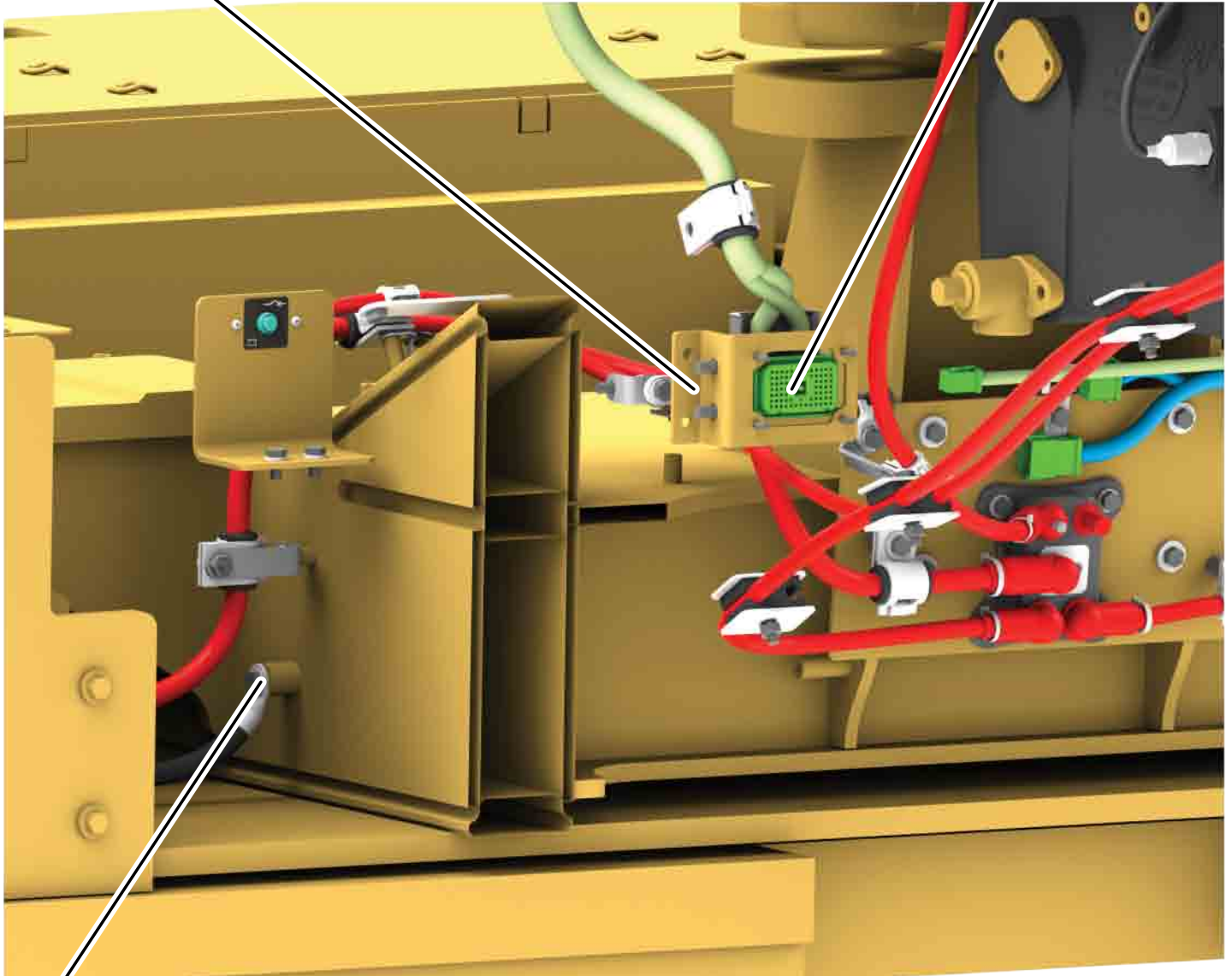


REAR BUMPER VIEW



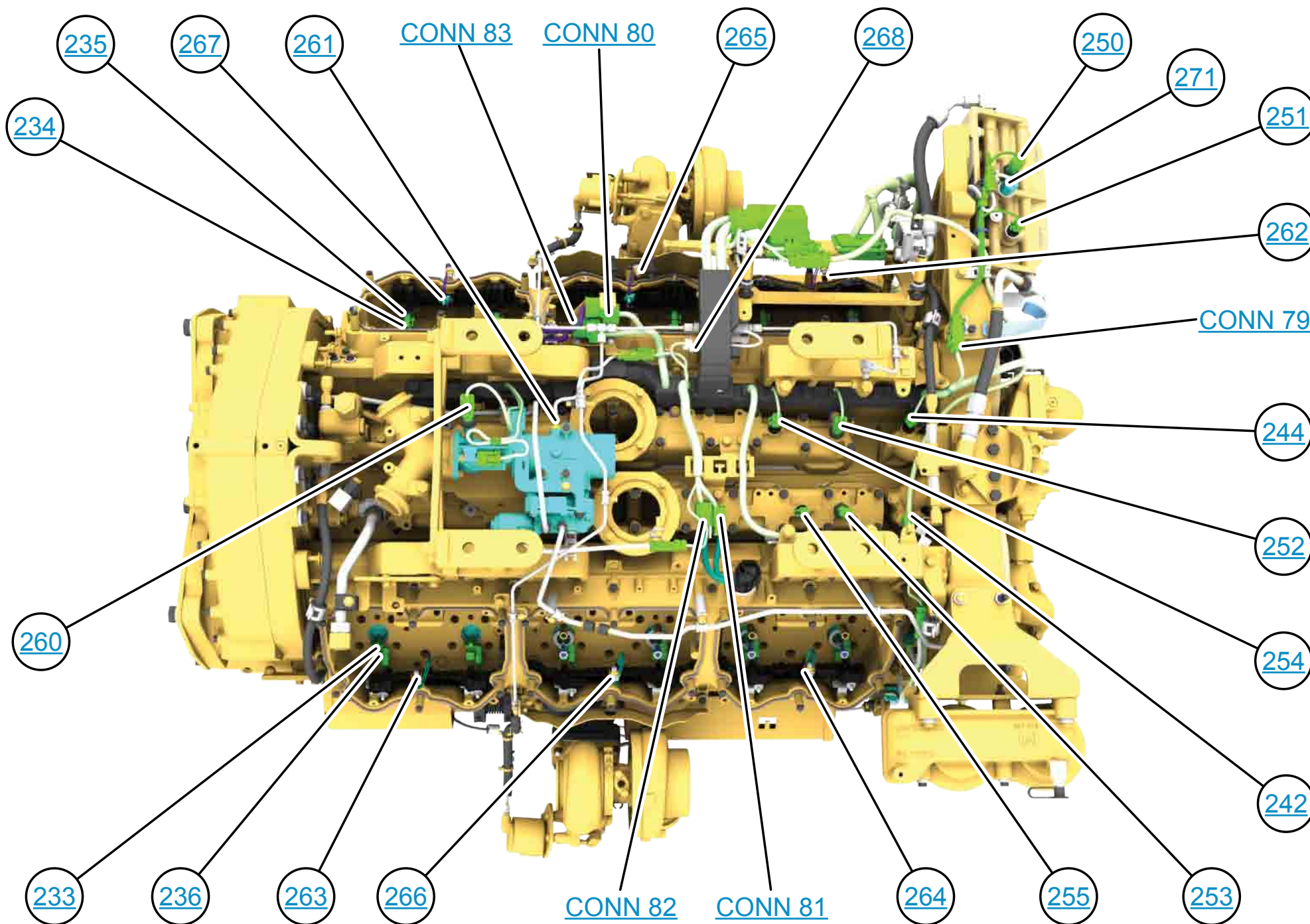
225

CONN 13

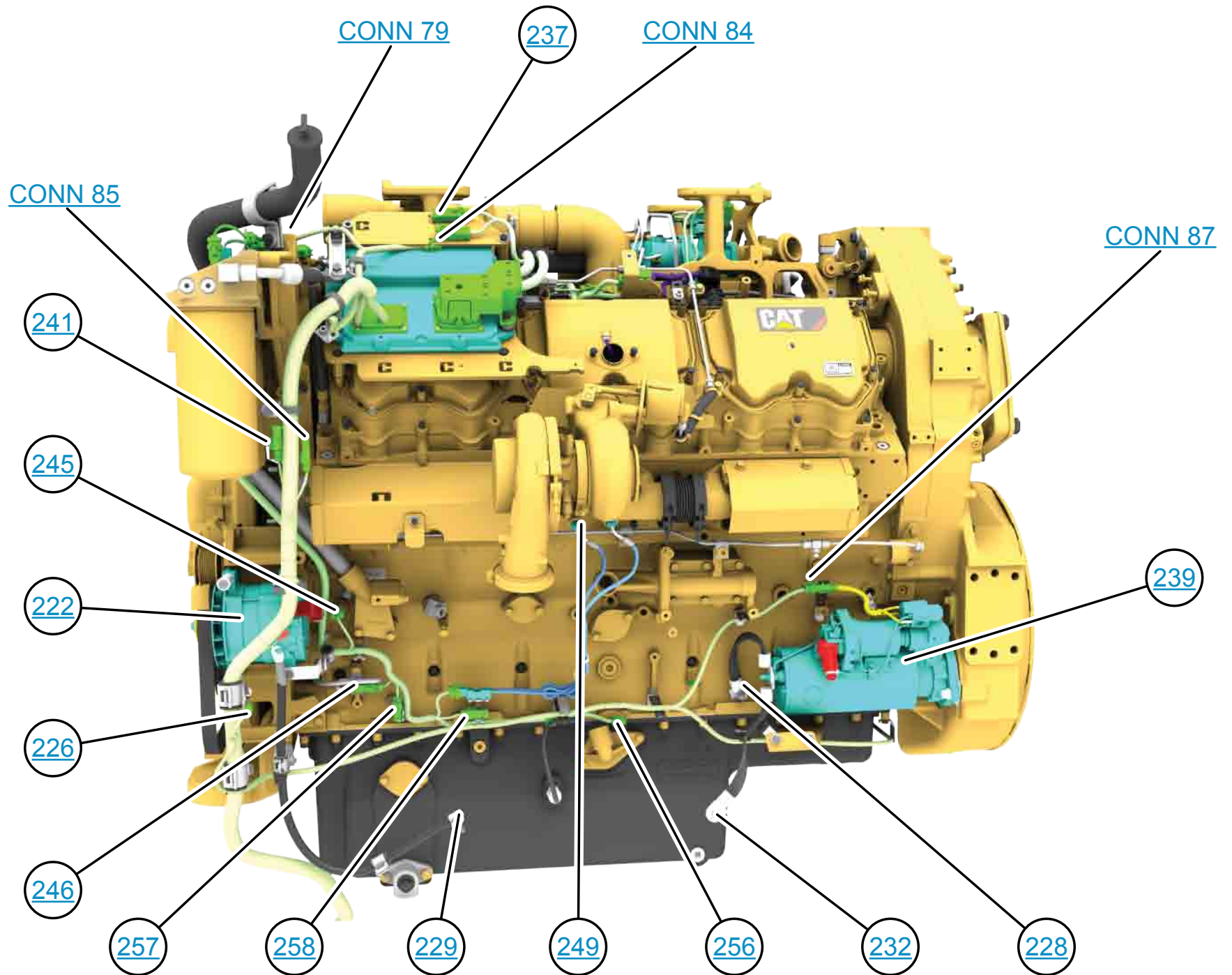


230

ENGINE TOP VIEW



ENGINE RIGHT SIDE VIEW



ENGINE LEFT SIDE VIEW

