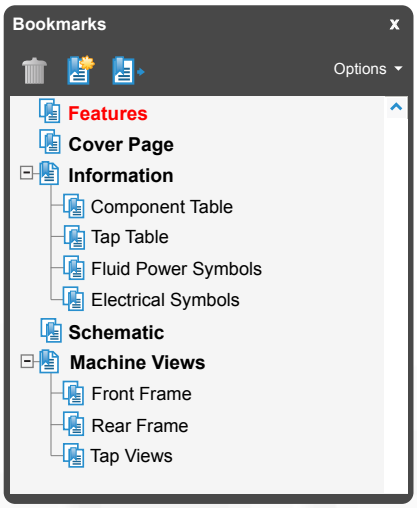
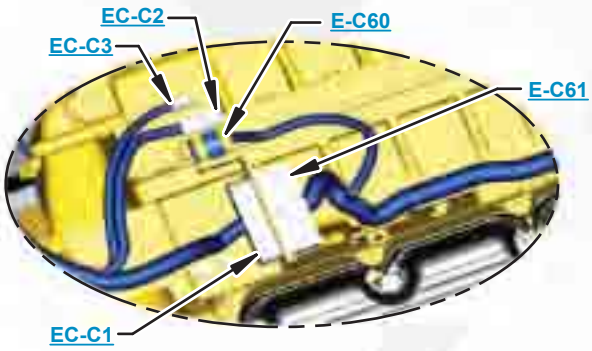
INTERACTIVE SCHEMATIC



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.



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"

UENR2503-01
September 2014

Schematic

950H and 962H Wheel Loader Electrical System

950H:
MXL1-UP
JLX1-UP

962H:
SSA1-UP
PCW1-UP

Volume 1 of 2: Cab Wiring
Volume 2 of 2: Chassis Wiring

Printed in U.S.A.

COMPONENT LOCATION
Volume 1 of 2 - CAB WIRING

Component	Schematic Location	Machine Location
Alarm - Action	D-13	1
Alarm - Quick Coupler	D-1	2
Arc Suppressor - Forward Horn	G-6	3
Arc Suppressor - Hazard	D-13	4
Arc Suppressor - Hazard LED Panel	F-1	5
Arc Suppressor - Turn Signal 1	D-13	6
Arc Suppressor - Turn Signal 2	D-13	7
Block AS - Fuse	A-14	8
Control GP - Implement	E-11	9
Control GP - Joystick	H-6	10
Control GP - Machine	J-16	11
Control GP - Monitor (Messenger)	C-6	12
Control GP - Payload	E-4	13
Control GP - Product Link	H-11	14
Control Gp - Transmission (HMU STEERING)	G-3	15
Converter - Power 1	F-14	16
Converter - Power 2	E-13	17
Flasher - 24V	D-13	18
Ground - Cab 1	A-10	19
Ground - Cab 2	A-10	20
Ground - Cab 4	I-13	21
Ground - Dash	J-4	22
Ground - Eng End Frame	I-13	23
Ground - Upper Cab	A-3	24
Horn - Implement Audible Alert	D-13	25
Indicator Panel - LH	J-1	26
Indicator Panel - RH	H-1	27
Module GP - Display (Gauge Cluster)	I-1	28
Module GP - MSS	E-3	29
Motor - Blend Door Actuator	J-14	30
Motor - Blower	J-14	31
Motor - Front Wiper	G-1	32
Motor - Rear Wiper	I-13	33
Potentiometer AS - Temp Control	B-7	34
Relay - Axle Cooler	C-13	35
Relay - Forward Cab Floodlamp	C-13	36
Relay - Forward Horn	C-13	37
Relay - Heated Mirror	C-13	38
Relay - Rear Cab Floodlamp	C-13	39
Relay - Variable Pitch Fan	E-14	40
Resistor - Blower	I-14	41
Resistor - Can A	I-5	42
Resistor - Can B	B-4	43
Resistor 1	J-13	44
Resistor 2	J-13	45
Sensor - 3rd Lever Position	E-6	46
Sensor - LH Brake Pedal	F-1	47
Sensor - Lift Lever Position	F-6	48
Sensor - Throttle Position	F-1	49
Sensor - Tilt Lever Position	F-6	50
Switch - Auto Reverse Fan	C-1	51
Switch - Auto Dig Kickout Set	C-1	52
Switch - Auto Dig Mode	D-3	53
Switch - Auto Dig Mode Select	C-1	54
Switch - Auto Man Gear Sel	C-3	55
Switch - Autodig Trigger	F-6	56
Switch - Beacon	F-3	57
Switch - Blower Fan Speed	C-7	58
Switch - Down Shift	E-6	59
Switch - Fine Modulation 1	G-7	60
Switch - Fine Modulation 2	E-7	61
Switch - FNR	F-6	62
Switch - Forward Horn 1	H-6	63
Switch - Forward Horn 2	F-6	64
Switch - Hazard Lamp	F-3	65
Switch - Heated Mirror	D-2	66
Switch - HID Lamp	C-7	67
Switch - HVAC Select	C-7	68
Switch - Implement Lockout 1	H-7	69
Switch - Implement Lockout 2	F-7	70
Switch - Key Start	F-3	71
Switch - Lift Tilt Kickout Set	D-1	72
Switch - Low / Hi Beam	D-6	73
Switch - Mode Select	I-3	74
Switch - Neutralizer Override	C-2	75
Switch - Payload Clear Store	A-4	76
Switch - Payload Reweigh Zero	C-6	77
Switch - Quick Coupler	D-1	78
Switch - Rear Wiper Washer	C-3	79
Switch - Ride Control	C-2	80
Switch - Running Lamp	I-3	81
Switch - Secondary Steering Test	C-2	82
Switch - Stop Lamp	F-1	83
Switch - Third Func Cont	I-3	84
Switch - Turn Signal	H-2	85
Switch - Wiper	B-7	86
Thermostat (HVAC)	I-14	87

COMPONENT LOCATION
Volume 2 of 2 - CHASSIS WIRING

Component	Schematic Location	Machine Location
Actuator - Belly Guard	J-11	88
Alarm - Backup	G-13	89
Alternator	H-9	90
Arc Suppressor - Quick Coupler	J-3	91
Arc Suppressor	A-10	92
Arc Suppressor - Start Rly	H-11	93
Arc Suppressor 1	I-7	94
Battery - 12V 1	J-10	95
Battery - 12V 2	J-9	96
Breaker - Air Inlet Heater	H-11	97
Breaker - Belly Guard	I-11	98
Breaker - Hood Actuator	I-11	99
Breaker - Main	H-11	100
Breaker - Running Lamp	I-11	101
Breaker - Start	H-11	102
Breaker - Unswitched Buss (Cab)	H-11	103
Clutch GP - Axle Cooler	D-9	104
Control GP - Engine	F-11	105
Cover GP - Air Inlet	D-10	106
Ground	G-13	107
Ground - Alternator	H-8	108
Ground - Engine	I-8	109
Ground - LH	J-9	110
Ground - RH	A-7	111
Ground - Secondary Steering	H-7	112
Horn - Forward High	H-3	113
Motor - Hood Actuator	H-12	114
Motor - Starter	I-8	115
Pump and Motor GP - Secondary Steering	H-7	116
Pump AS - Front Washer	B-3	117
Pump AS - Rear Washer	B-3	118
Pump GP - Fuel Priming	A-10	119
Receptacle - Auxiliary Start	J-9	120
Relay - Air Inlet Heater	H-11	121
Relay - Backup	G-14	122
Relay - Hood Raise / Lower Motor Control	I-10	123
Relay - Main	H-11	124
Relay - Sec Steer Intermediate	I-7	125
Relay - Start	H-11	126
Resistor - DC Can 1	C-7	127
Sender - Fuel Level	I-13	128
Sensor - Atmospheric Pressure	D-12	129
Sensor - Boost Pressure	D-12	130
Sensor - Oil Press	H-8	131
Sensor - Coolant Temp	D-12	132
Sensor - Front Axle Oil Temp	I-2	133
Sensor - Fuel Pressure	C-13	134
Sensor - Hyd Oil Temp	H-5	135
Sensor - Input Speed	H-6	136
Sensor - Injection Actuation Pressure	D-12	137
Sensor - Intake Man Air Temp	D-12	138
Sensor - Lift Cyl He Press	J-3	139
Sensor - Oil Pressure	C-12	140
Sensor - Output Speed (Leading)	G-6	141
Sensor - Output Speed (Trailing)	G-6	142
Sensor - Park Brake Press	B-3	143
Sensor - Rail Pressure	D-12	144
Sensor - Rear Axle Oil Temp	A-8	145
Sensor - Rotary Lift Pos	J-3	146
Sensor - Rotary Tilt Position	J-2	147
Sensor - Torq Conv Temp	C-7	148
Sensor - Turbo Inlet Pressure	D-9	149
Sensor - XMSN Oil Temp	H-6	150
Sensor Group - Speed	C-12	151
Solenoid - AC Clutch	A-10	152
Solenoid - Aux 3rd Fun Rearward	G-2	153
Solenoid - Aux 3rd FunFwd	G-2	154
Solenoid - Dump Prop	H-2	155
Solenoid - Injectors 1-6	E-13	156
Solenoid - Lower	G-2	157
Solenoid - Pilot Hyd Supp	G-2	158
Solenoid - Quick Coupler	I-3	159
Solenoid - Rackback Prop	H-2	160
Solenoid - Raise Prop	G-2	161
Solenoid - Ride Control Activation	H-3	162
Solenoid - Ride Control Balance	H-3	163
Solenoid - Variable Speed Fan	H-8	164
Switch - AC Press	B-10	165
Switch - Actuator	J-10	166
Switch - Aux Ground Level Shutdown	B-10	167
Switch - Disconnect	J-9	168
Switch - Fuel Pressure	C-13	169
Switch - Fuel Priming Pump	A-10	170
Switch - Ground Level Shutdown	G-12	171
Switch - Hood Actuator	G-12	172
Switch - Hyd Filter Bypass	B-3	173
Switch - Prim Steer Press	I-6	174
Switch - Sec Steer Press	I-6	175
Switch - XMSN Filter Bypass	B-3	176
Valve GP - Clutch 1-6	H-7	177
Valve GP - Ether Starting	C-6	178

CONNECTOR LOCATION
Volume 1 of 2 - CAB WIRING

Connector Number	Schematic Location
CONN 1	B-16
CONN 2	C-16
CONN 3	D-16
CONN 4	D-16
CONN 5	H-14
CONN 6	E-13
CONN 7	A-12
CONN 8	F-12
CONN 9	F-12
CONN 10	G-12
CONN 11	J-12
CONN 12	I-10
CONN 13	H-9, F-8
CONN 14	H-9, F-8
CONN 15	E-8
CONN 16	D-6
CONN 17	E-3
CONN 18	E-2

CONNECTOR LOCATION
Volume 2 of 2 - CHASSIS WIRING

Connector Number	Schematic Location
CONN 1	D-4
CONN 2	E-4
CONN 3	F-4
CONN 4	G-4
CONN 19	G-13
CONN 20	G-13
CONN 21	C-12
CONN 22	C-12
CONN 23	E-12
CONN 24	H-12
CONN 25	A-8
CONN 26	F-7
CONN 27	E-7
CONN 28	E-7
CONN 29	I-6
CONN 30	A-4
CONN 31	B-4
CONN 32	I-4
CONN 33	I-3
CONN 34	I-3
CONN 35	H-3
CONN 36	G-3
CONN 37	A-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.

CID / MID / FMI
Volume 1 of 2 - CAB WIRING

Component Identifiers (CID[1]) Module Identifier (MID[2]) Payload Control System (MID No. 074)	
CID	Component
0168	Electrical System Voltage
0364	Head End Lift Cylinder Pressure Sensor
0591	Electrically Erasable Programmable Read Only Memory
0769	Rod End Lift Cylinder Pressure Sensor
1964	Lift Cylinder Position Sensor

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.

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

CID / MID / FMI
Volume 2 of 2 - CHASSIS WIRING

Failure Mode Identifiers (FMI)[1]	
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[1]The FMI is a diagnostic code that indicates what type of failure has occurred.

Event Codes Engine Control	
Event Code	Condition
E0096	HighFuelPressure
E0162	HighBoostPressure
E0198	LowFuelPressure
E0265	UserDefinedShutdown
E0360	LowEngineOilPressure
E0361	HighEngineCoolantTemperature
E0362	EngineOverspeed
E0390	FuelFilterRestriction
E0539	HighIntakeManifoldAirTemperature

Component Identifiers (CID[1]) Module Identifier (MID[2]) Engine Control	
CID	Component
0001	Cylinder #1 Injector
0002	Cylinder #2 Injector
0003	Cylinder #3 Injector
0004	Cylinder #4 Injector
0005	Cylinder #5 Injector
0006	Cylinder #6 Injector
0041	8 Volt DC Supply
0042	Injector Actuation Valve
0091	ThrottlePositionSensor
0094	Fuel Delivery Pressure Sensor
0100	Engine Oil Pressure Sensor
0110	Engine Coolant Temperature Sensor
0164	Injector Actuation Pressure Sensor
0168	Electrical System Voltage
0172	Intake Manifold Air Temperature Sensor
0174	Fuel Temperature Sensor
0190	Engine Speed Sensor
0253	Personality Module
0261	Engine Timing Calibration
0262	5 Volt Sensor DC Power Supply
0268	Programmed Parameter Fault
0274	Atmospheric Pressure Sensor
0286	Low Oil Pressure Lamp
0342	Secondary Engine Speed Sensor
0617	Inlet Air Heater Relay
1639	Machine Security System Module
1785	Intake Manifold Pressure Sensor
2417	Ether Injection Control Solenoid

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

SPECIFICATIONS AND RELATED MANUALS
Volume 1 of 2 - CAB WIRING

Resistor Specifications			
Part No.	Component Description		Resistance (Ohms)[1]
9G-1950	Resistor:	Blower	2 ± .1
134-2540	Resistor:	Can A Can B	120 ± 12

[1] At room temperature unless otherwise noted.

Off-Machine Switch Specification				
Part No.	Function	Actuate	Deactuate	Contact Position
3E-5464	Thermostat (HVAC)	1.1 ± 0.8° C 30 ± 1.4° F	2.2 ± 0.8° C 36 ± 1.4° F	Normally Closed

Title	Form Number
Cross Reference for Electrical Connectors:	REHS0970
Payload Control:	RENR6293
Machine Control:	UENR0795

SPECIFICATIONS AND RELATED MANUALS
Volume 2 of 2 - CHASSIS WIRING

Off-Machine Switch Specification				
Part No.	Function	Actuate	Deactuate	Contact Position
258-0883	Fuel Pressure	110.3 ± 13.8 kPa (15.99 to 2 psi)	69 kPa min (10 psi)	Normally Closed
227-6744	Hyd Filter Bypass XMSN Filter Bypass	293 ± 35 kPa (42.49 to 0.29 psi)	179 kPa min (25.96 psi)	Normally Closed
367-9074	Primary Steer Pressure Secondary Steer Pressure	1200 kPa Max (174.04psi)	700 ± 100 kPa (101.52 to 14.5 psi)	A-B: N / O A-C: N / C
355-3148	AC High/Low Pressure	275 to 2800 kPa[1] (39.9 to 253.8 psi)	170 to 1750 kPa[1] (24.65 to 253.816 psi)	Normally Open[2]

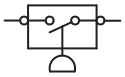
Resistor, Sender and Solenoid Specifications			
Part No.	Component Description		Resistance (Ohms)[1]
163-0872	Solenoid:	AC Clutch	17.6 ± 0.6
134-2540	Resistor:	DC Can 1	120 ± 12
251-3268	Solenoid:	Ride Control Activation	33.75 ± 1.68
313-7668	Solenoid:	Aux 3rd Function Forward Aux 3rd Function Rearward	5 ± 0.3
313-7668	Solenoid:	Dump Prop Lower Rackback Prop Raise Prop	5 ± 0.3
322-7452	Sender:	Fuel Level	Empty: 240-250 Full: 28-33
328-2585	Solenoid:	Injectors 1-6	0.815 ± 0.045
333-8242	Solenoid:	Pilot Hyd Supp	33.75 ± 1.69

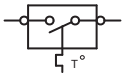
[1] At room temperature unless otherwise noted.

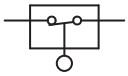
Related Electrical Service Manuals	
Title	Form Number
Cross Reference for Electrical Connectors:	REHS0970
Starting Motor: Delco 42-MT	SENR3581
Engine Control:	RENR5089

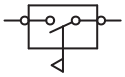
HARNESS and WIRE
Electrical Schematic Symbols

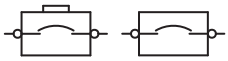
Symbols


Pressure Symbol


Temperature Symbol

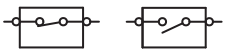

Level Symbol

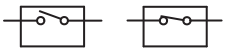

Flow Symbol

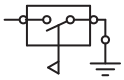

Circuit Breaker Symbol

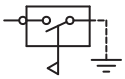
Symbols and Definitions

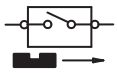

Fuse: A component in an electrical circuit that will open the circuit if too much current flows through it.

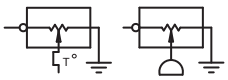

Switch (Normally Open): A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has screw terminals and a wire can be disconnected from it.

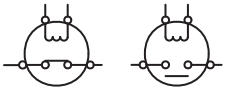

Switch (Normally Closed): A switch that will open at a specified point (temp, press, etc.). No circle indicates that the wire cannot be disconnected from the component.

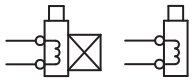

Ground (Wired): This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.

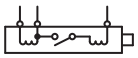

Ground (Case): This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.


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


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

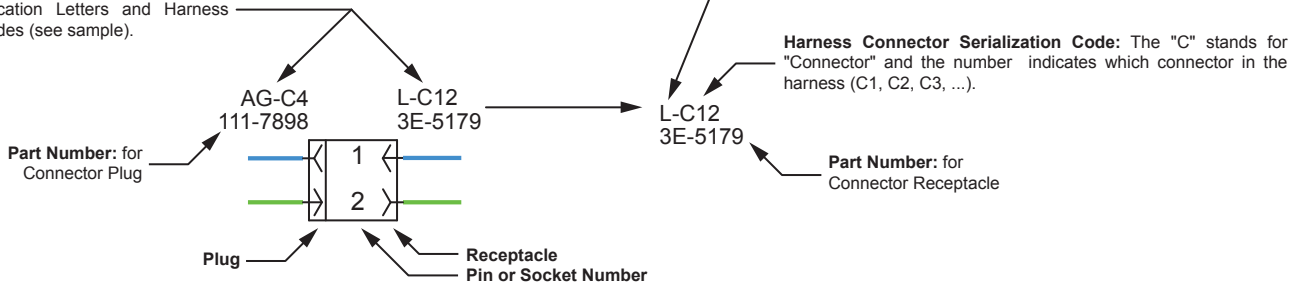

Relay (Magnetic Switch): A relay is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close the switch part of the relay.

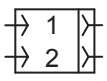

Solenoid: A solenoid is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close a valve or move a piece of metal that can do work.


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

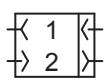
Harness and Wire Symbols

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

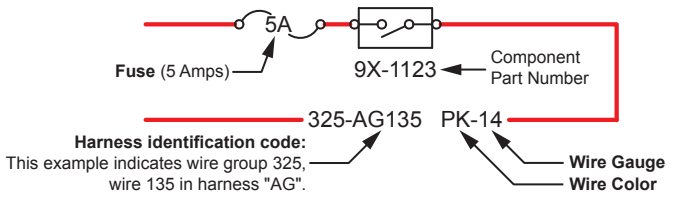




Deutsch connector: Typical representation of a Deutsch connector. The plug contains all sockets and the receptacle contains all pins.



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



WIRE GROUP COLOR DESCRIPTIONS

(black)	GROUND CIRCUIT
(red)	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS OFF
(blue)	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON
(light blue)	VOLTAGE CONVERTER OUTPUT CIRCUIT
(orange)	STARTING CIRCUIT
(red/black striped)	RS-232 / RS-485 DATA LINK
(purple)	TRANSMISSION CONTROL CIRCUIT
(gray)	MACHINE SECURITY CONTROL CIRCUIT
(pink)	ENGINE CONTROL CIRCUIT
(olive)	HEATER AND AIR CONDITIONER CIRCUIT
(tan)	TURN SIGNAL / WIPER WASHER CIRCUIT
(green/black striped)	CAT DATA LINK
(orange striped)	IMPLEMENT CONTROL CIRCUIT
(pink/black striped)	CAN DATA LINK A
(purple/black striped)	CAN DATA LINK B
(light green striped)	PAYLOAD CONTROL CIRCUIT

OTHER COLOR DESCRIPTIONS

(light blue)	HIGHWAYS

SYMBOL	DESCRIPTION
┼ (dot)	CIRCUIT CONNECTED
┼	CIRCUIT NOT CONNECTED
⏚	ELECTRICAL CONNECTION TO MACHINE STRUCTURE
⏚ (dotted)	INTERNAL ELECTRICAL CONNECTION TO SURFACE OF COMPONENT
→)—	CONNECTOR
H#	CIRCUIT GROUPING DESIGNATION
- - -	ATCH WIRE, CABLE, COMPONENT
○-○	SPLICE
○	BLADE, SPADE, RING OR SCREW TERMINAL

ABBREV	COLOR
RD	RED
WH	WHITE
OR	ORANGE
YL	YELLOW
PK	PINK
BK	BLACK
GY	GRAY
PU	PURPLE
BR	BROWN
GN	GREEN
BU	BLUE

CALLOUTS

Callout Number (Machine Location from Component Locations Table) → (52) VALVE GP - CONTROL ← Component Name

138-1234 ← Part Number

THIS SCHEMATIC IS FOR THE 950H AND 962H WHEEL LOADER ELECTRICAL SYSTEM
VOLUME 1 of 2: CAB WIRING

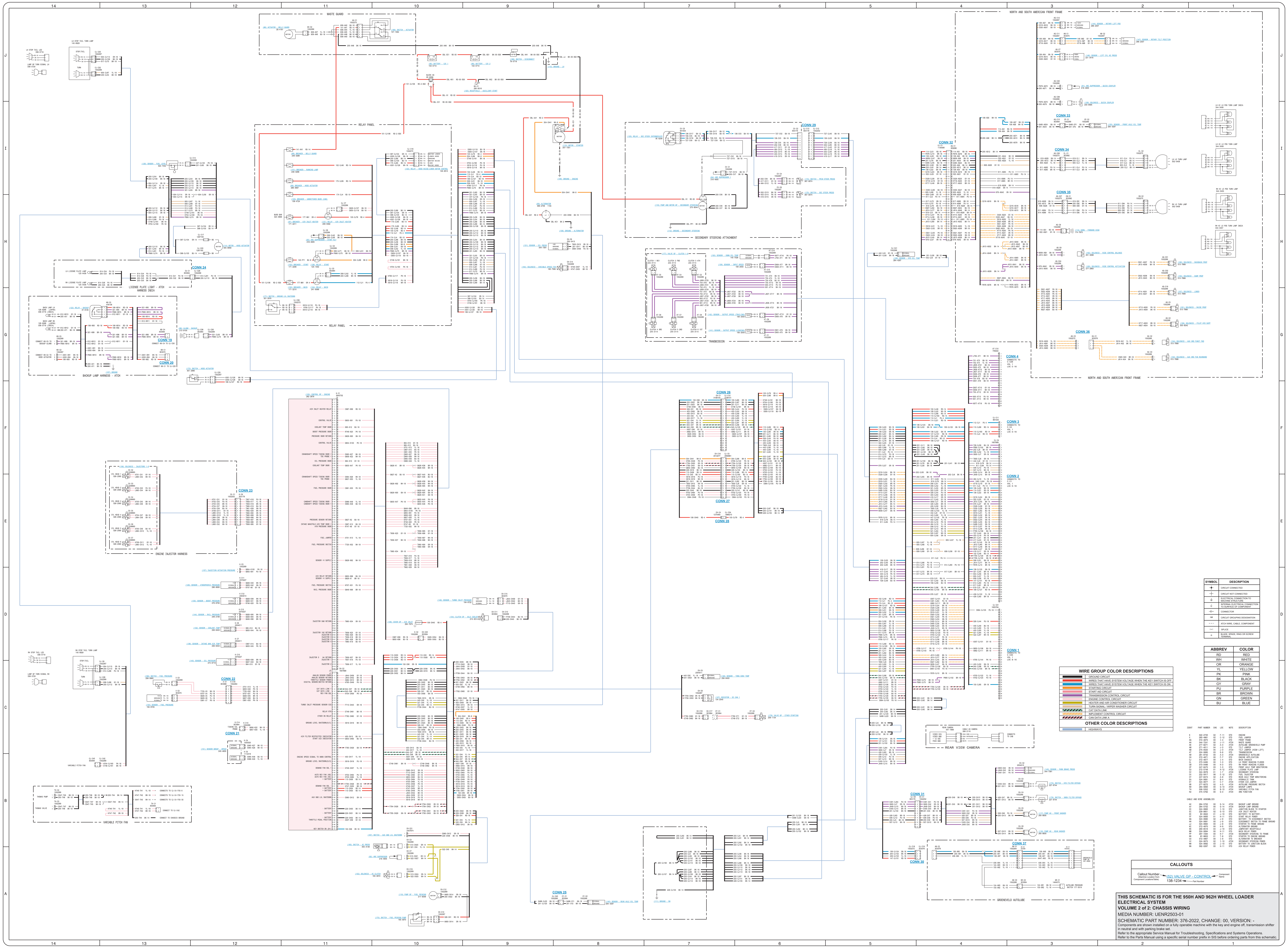
MEDIA NUMBER: UENR2503-01

SCHEMATIC PART NUMBER: 376-2022, CHANGE: 00, VERSION: -

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.



SYMBOL	DESCRIPTION
(dot on crossing)	CIRCUIT CONNECTED
+	CIRCUIT NOT CONNECTED
(ground)	ELECTRICAL CONNECTION TO MACHINE STRUCTURE
(dashed ground)	INTERNAL ELECTRICAL CONNECTION TO SURFACE OF COMPONENT
→)—	CONNECTOR
H#	CIRCUIT GROUPING DESIGNATION
– – –	ATCH WIRE, CABLE, COMPONENT
○–○	SPLICE
○	BLADE, SPADE, RING OR SCREW TERMINAL

ABBREV	COLOR
RD	RED
WH	WHITE
OR	ORANGE
YL	YELLOW
PK	PINK
BK	BLACK
GY	GRAY
PU	PURPLE
BR	BROWN
GN	GREEN
BU	BLUE

WIRE GROUP COLOR DESCRIPTIONS

(black)	GROUND CIRCUIT
(red)	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS OFF
(blue)	WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON
(orange)	STARTING CIRCUIT
(pink)	START AID CIRCUIT
(purple)	TRANSMISSION CONTROL CIRCUIT
(light pink)	ENGINE CONTROL CIRCUIT
(olive)	HEATER AND AIR CONDITIONER CIRCUIT
(tan)	TURN SIGNAL / WIPER WASHER CIRCUIT
(green/black stripe)	CAT DATA LINK
(orange stripe)	IMPLEMENT CONTROL CIRCUIT
(pink/black stripe)	CAN DATA LINK A

OTHER COLOR DESCRIPTIONS

(light blue)	HIGHWAYS

IDENT	PART NUMBER	CHG	LOC	NOTE	DESCRIPTION
K	322-2733	02	F-11	STD	ENGINE
X	260-4861	02	C-12	STD	FUEL JUMPER
AG	372-4875	00	I-4	STD	FRONT FRAME
AH	344-7241	00	J-11	ATCH	WASTE GUARD
AK	277-8271	02	A-3	ATCH	AUTOLUBE GROENEVELD PUMP
AM	271-4011	04	J-3	STD	TILT JUMPER
AM	275-0025	05	J-3	ATCH	TILT JUMPER (HIGH LIFT)
AT	324-0685	03	G-6	STD	TRANSMISSION
AW	281-8742	00	A-3	ATCH	GROENEVELD AUTOLUBE
CH	372-4871	00	F-7	STD	ENGINE APPLICATION
CJ	372-4877	00	I-4	STD	MAIN CHASSIS
CL	373-0495	00	I-3	STD	LH FRONT ROADING FLOODS
CM	373-0496	00	H-3	STD	RH FRONT ROADING FLOODS
CP	247-8475	03	I-3	STD	FRONT AXLE TEMP MONITORING
CU	272-5749	01	H-12	ATCH	LICENSE PLATE LAMP
CV	324-0676	01	I-7	ATCH	SECONDARY STEERING
CX	222-5917	06	E-12	STD	FUEL INJECTOR
CY	247-8474	02	A-8	STD	REAR AXLE TEMP MONITORING
EA	324-0691	01	B-4	STD	HYDRAULIC TANK
ET	324-0677	01	C-7	ATCH	ETHER AID JUMPER
GR	277-8272	02	A-3	ATCH	AUTOLUBE PRESSURE SWITCH
KW	284-5693	00	G-13	ATCH	BACKUP LAMPS
TH	306-5352	00	B-13	ATCH	VARIABLE PITCH FAN
HU	375-5762	00	G-3	ATCH	3RD FUNCTION

CABLE AND WIRE ASSEMBLIES

AX	284-5702	00	G-14	ATCH	BACKUP LAMP GROUND
AY	284-5702	00	G-14	ATCH	BACKUP LAMP GROUND
CC	324-0683	01	I-10	STD	JUNCTION BLOCK TO STARTER
EC	229-8851	02	G-13	STD	AIR INLET HEATER
EE	8V-0622	01	J-10	STD	BATTERY+ TO BATTERY-
FF	324-0693	01	H-11	STD	START RELAY POWER
GG	324-0680	02	J-9	STD	BATTERY- TO DISCONNECT SWITCH
HH	324-0681	00	J-9	STD	DISCONNECT SWITCH TO FRAME GROUND
JJ	324-0684	00	J-8	STD	STARTER TO FRAME GROUND
KC	372-4870	00	H-9	STD	ALTERNATOR GROUND
KK	290-6516	04	J-10	STD	JUMPSTART RECEPTACLE
MM	324-0694	00	H-11	STD	MAIN RELAY POWER
PP	297-7294	00	H-7	ATCH	SECONDARY STEERING TO FRAME
RR	8Y-9603	01	T-8	STD	STARTER TO ENGINE GROUND
UU	372-4867	00	I-9	STD	ALTERNATOR TO BREAKER
VV	324-0675	02	I-10	ATCH	SECONDARY STEERING POWER
WW	324-0682	03	J-10	STD	BATTERY TO JUNCTION BLOCK
NN	392-0267	00	H-11	STD	AIH RELAY POWER

CALLOUTS

Callout Number (Machine Location from Component LocationsTable) → (52) VALVE GP - CONTROL ← Component Name

138-1234 ← Part Number

THIS SCHEMATIC IS FOR THE 950H AND 962H WHEEL LOADER ELECTRICAL SYSTEM

VOLUME 2 of 2: CHASSIS WIRING

MEDIA NUMBER: UENR2503-01

SCHEMATIC PART NUMBER: 376-2022, CHANGE: 00, VERSION: -

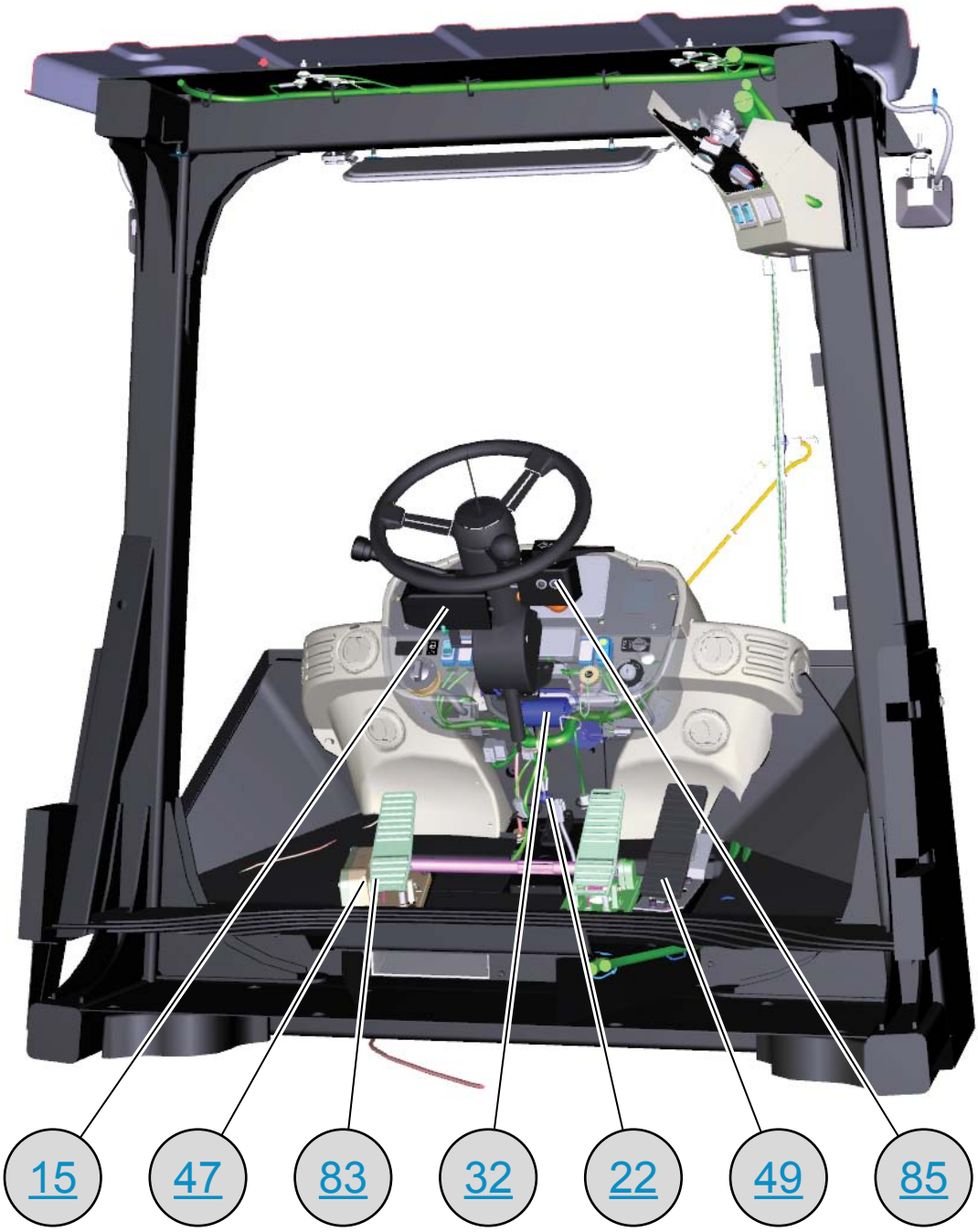
Components are shown installed on a fully operable machine with the key and engine off, transmission shifter in neutral and with parking brake set.

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.

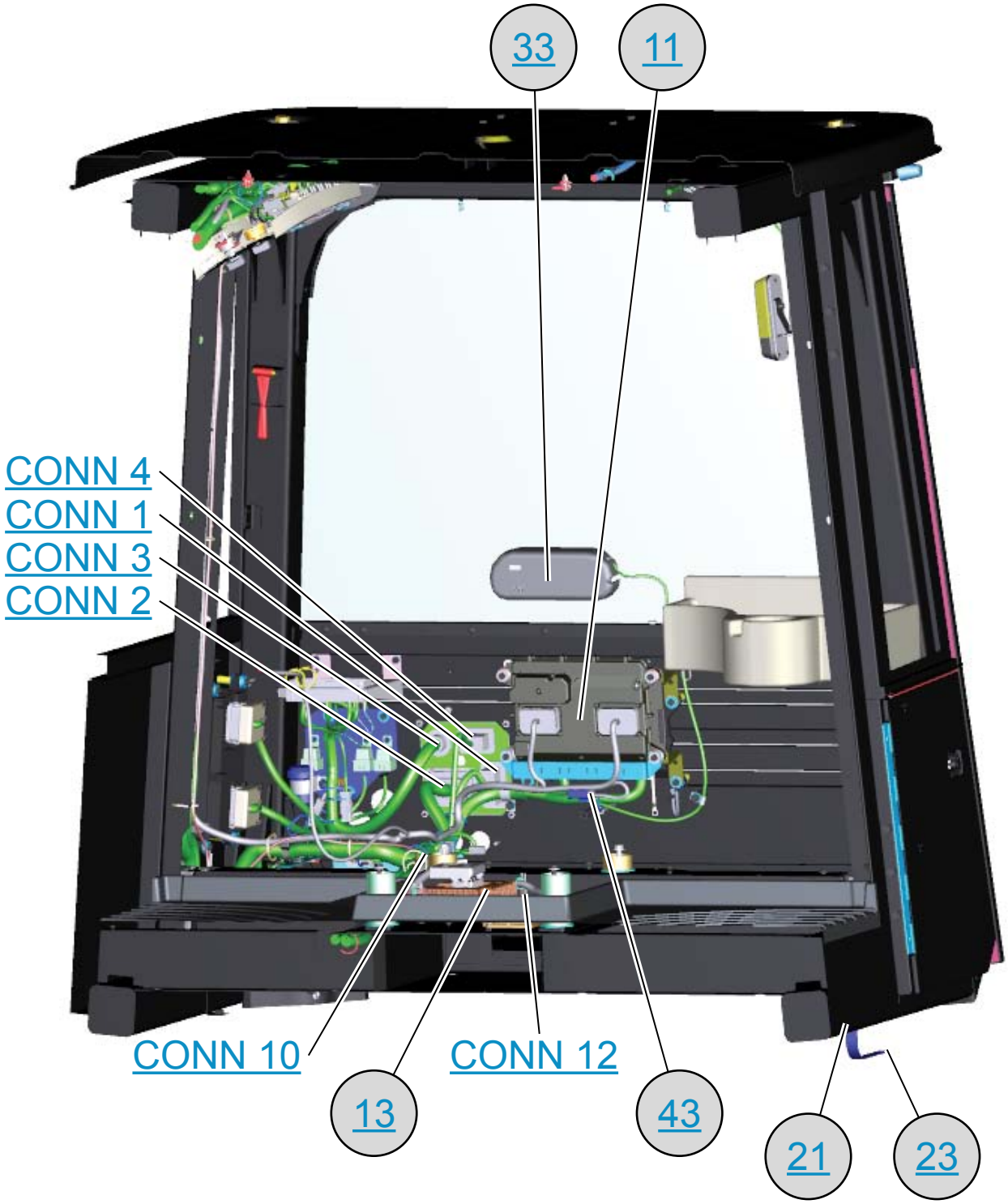
CAB FRONT

VIEW ALL CALLOUTS



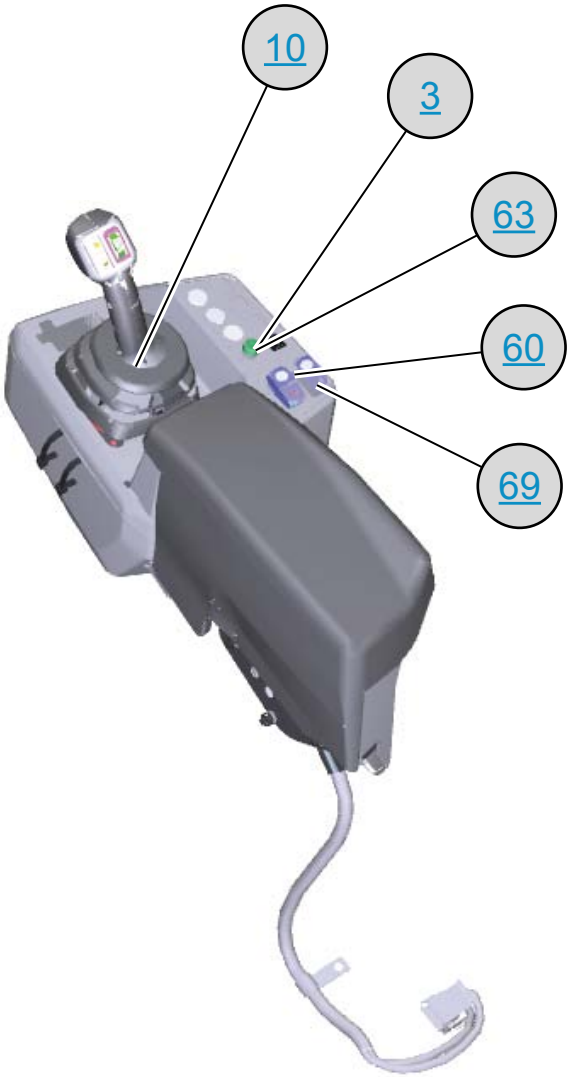
CAB REAR

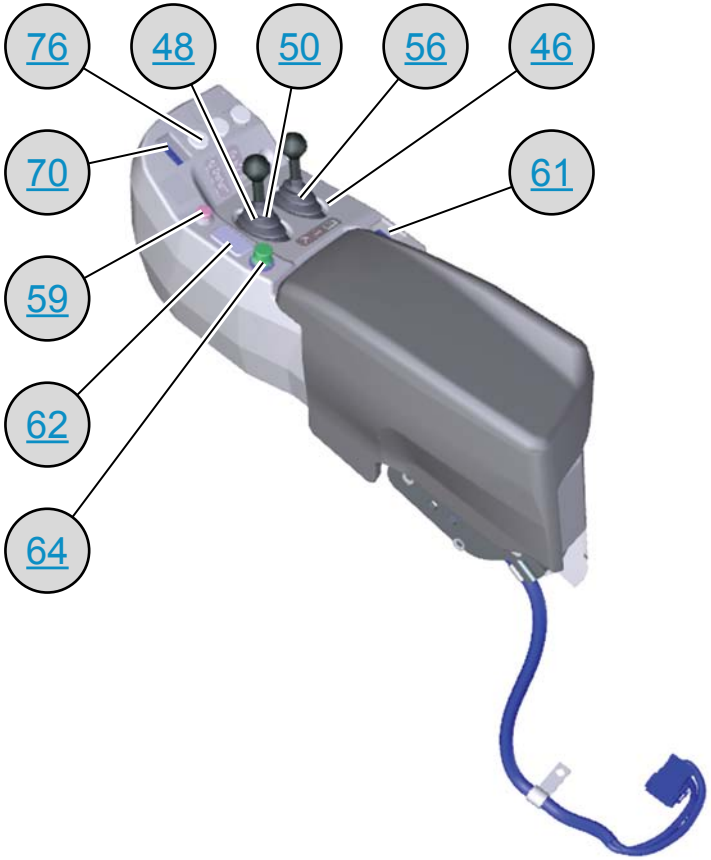
VIEW ALL CALLOUTS



CONSOLE VIEWS

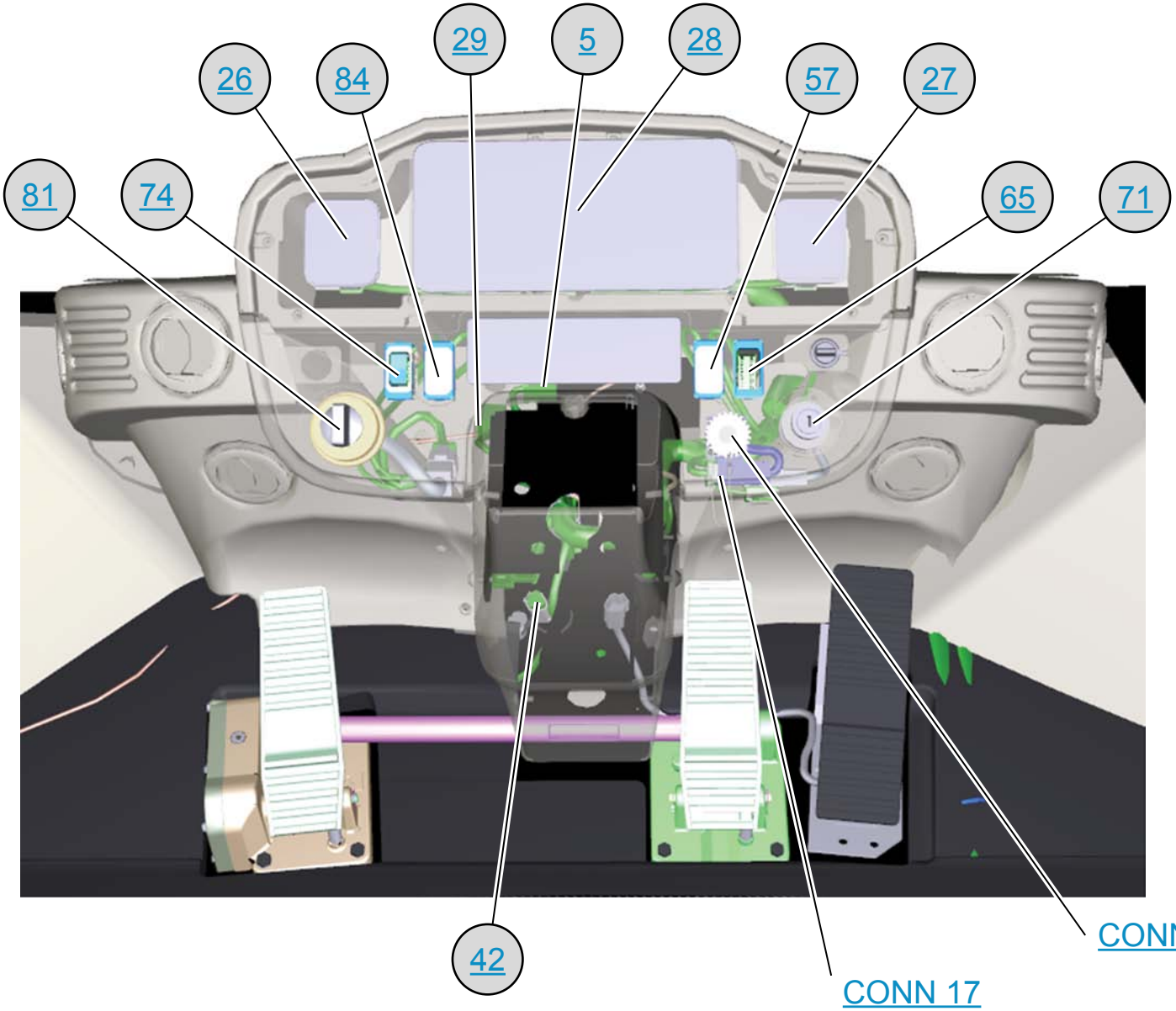
VIEW ALL CALLOUTS





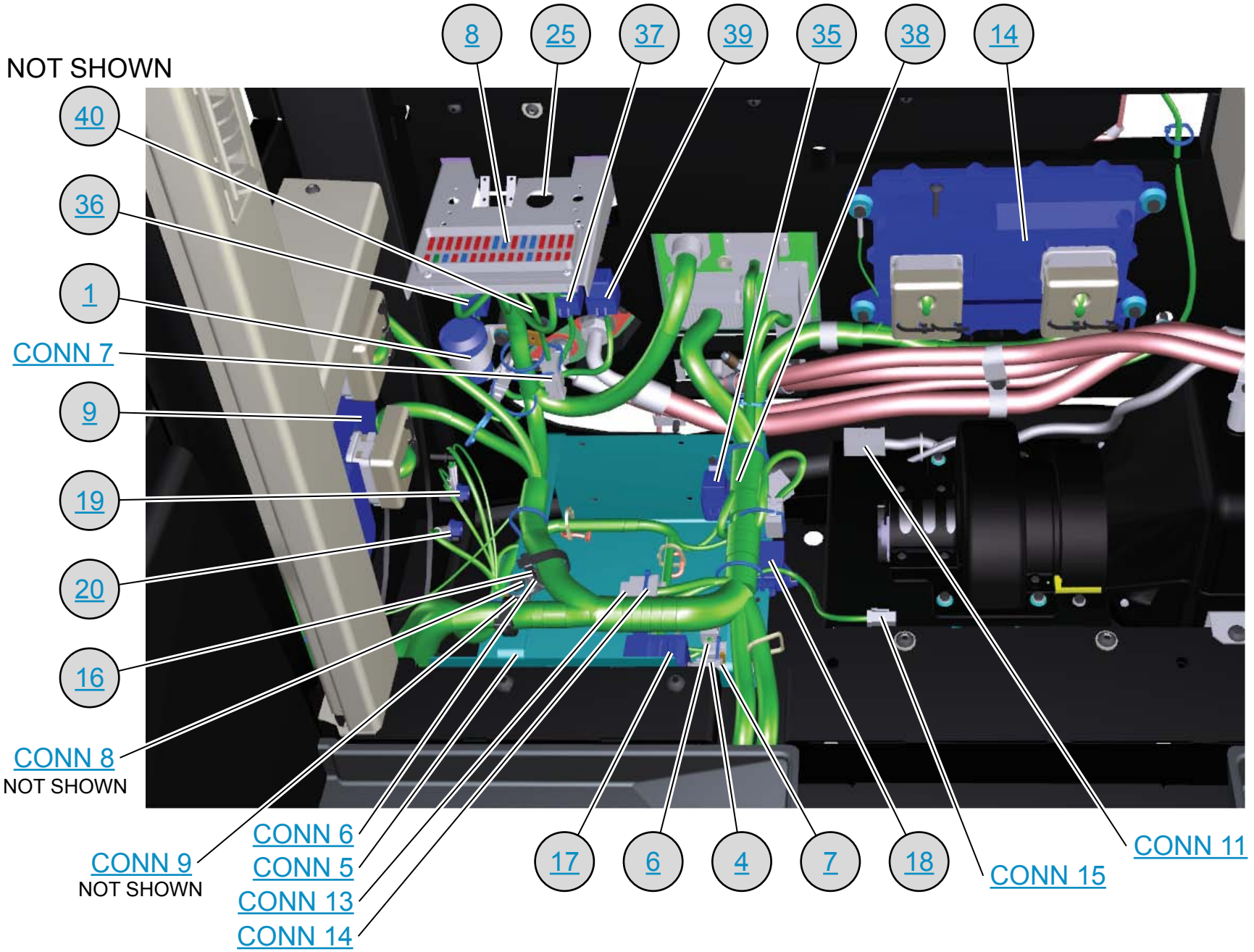
DASH VIEW

VIEW ALL CALLOUTS



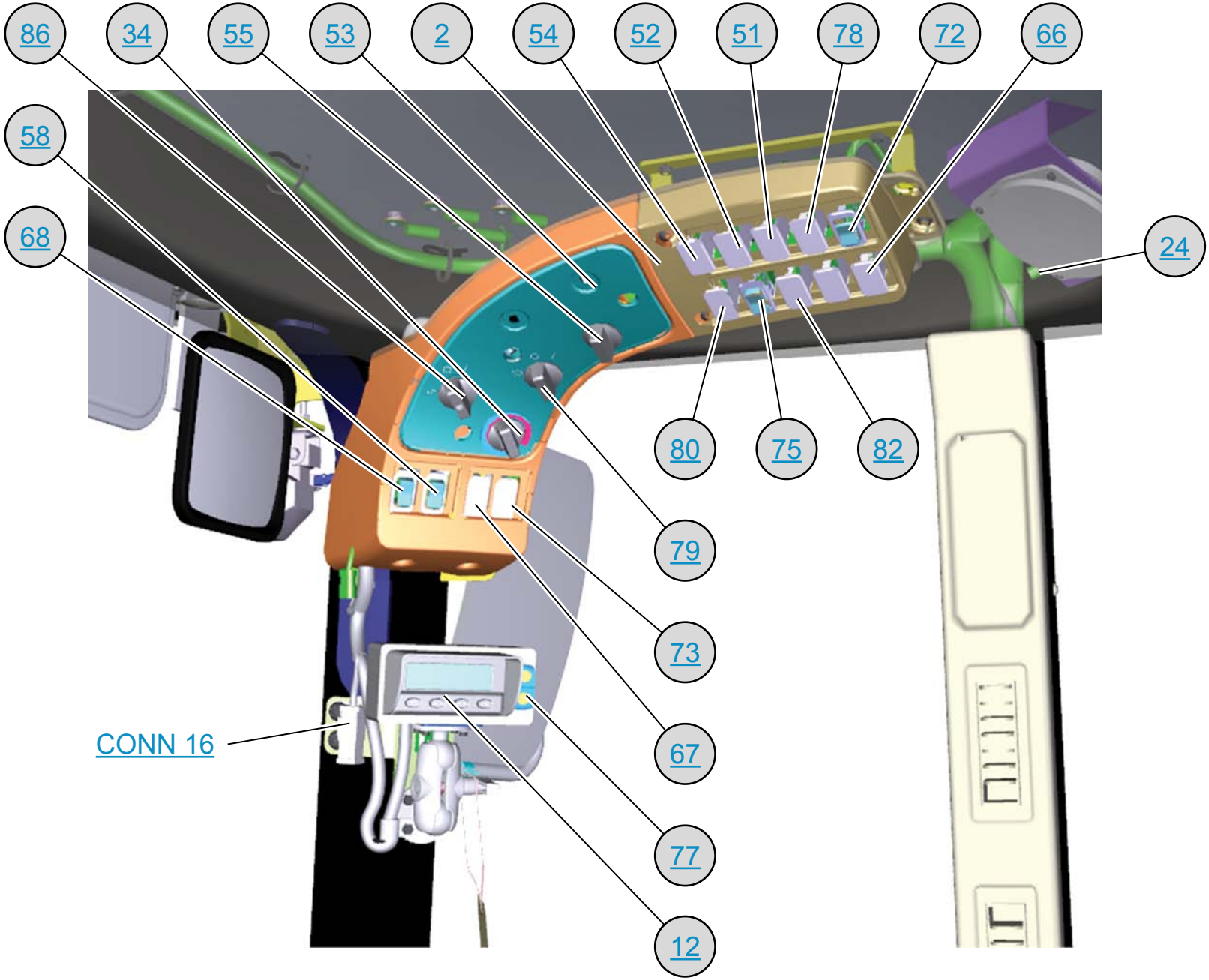
FUSE PANEL

VIEW ALL CALLOUTS



HEADLINER

VIEW ALL CALLOUTS

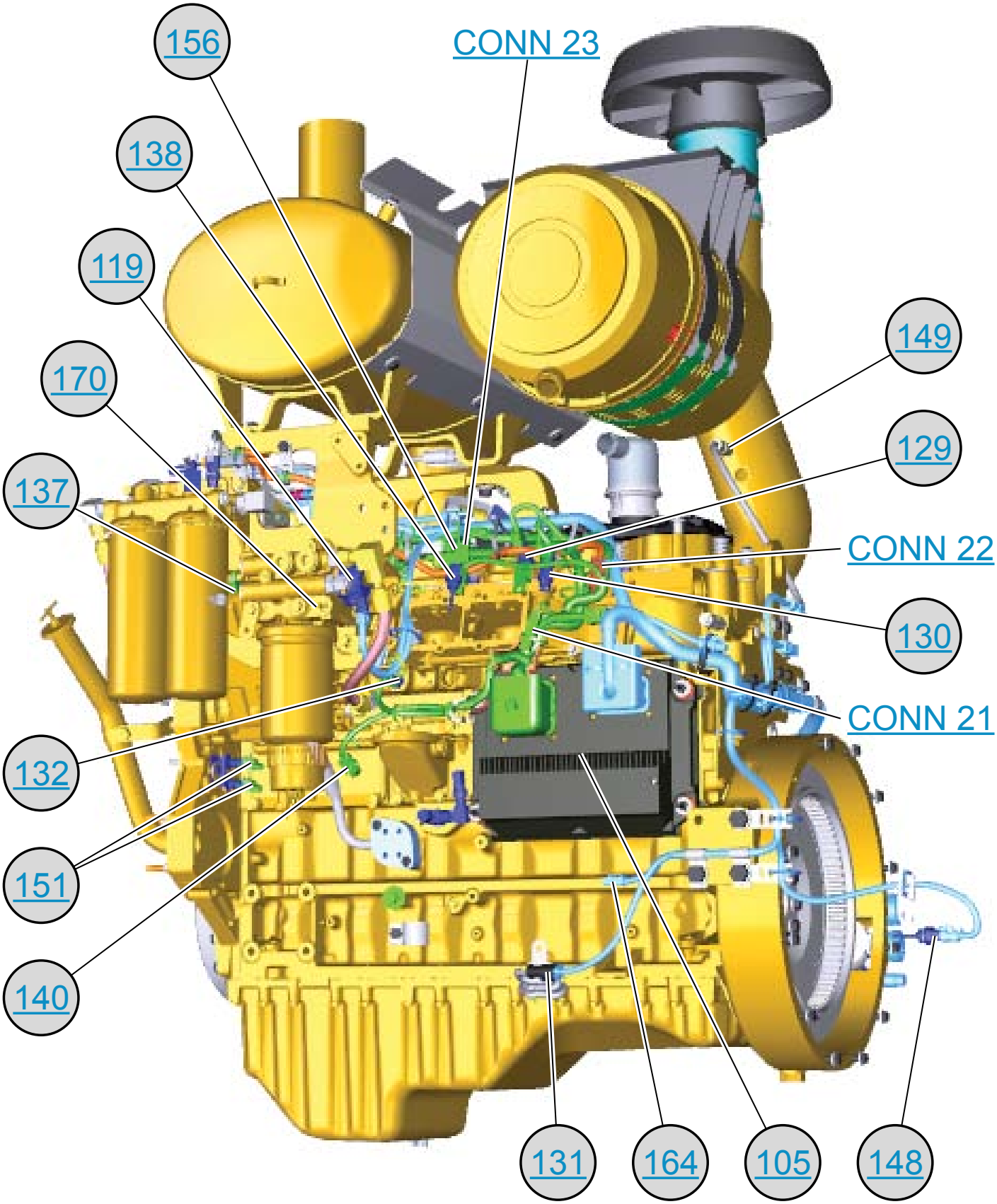


HVAC VIEW

VIEW ALL CALLOUTS

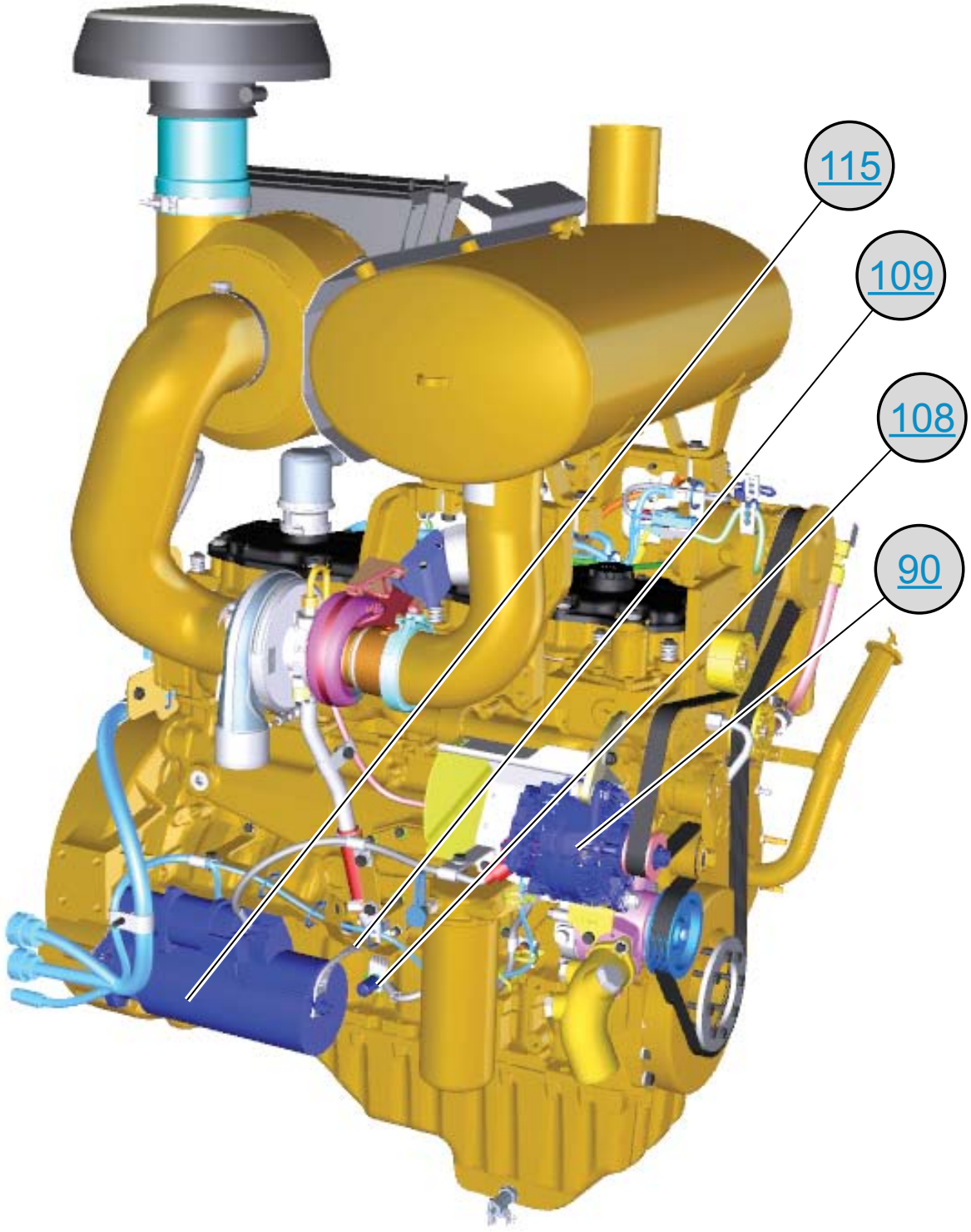
ENGINE LEFT

VIEW ALL CALLOUTS



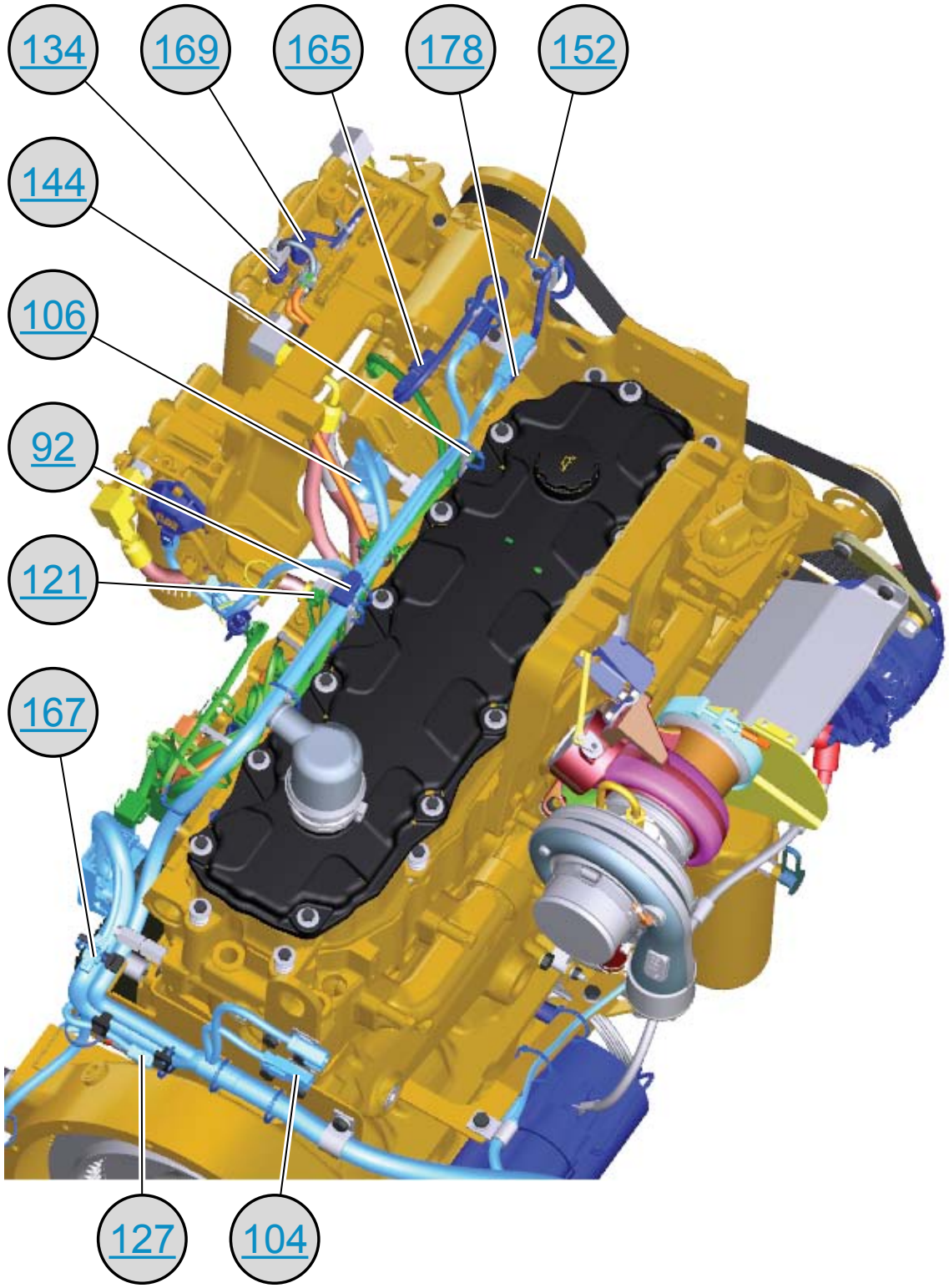
ENGINE RIGHT

VIEW ALL CALLOUTS



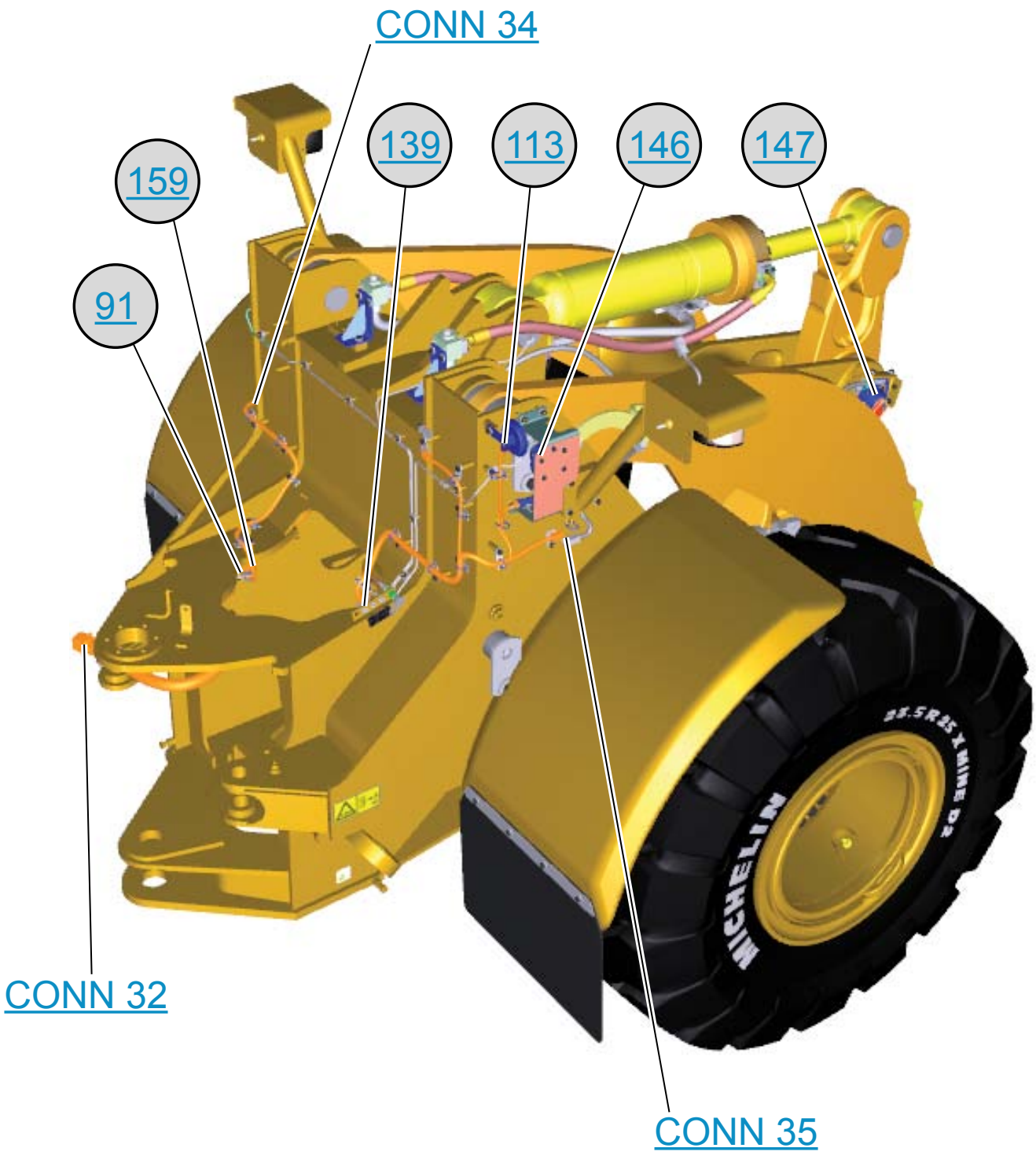
ENGINE TOP

VIEW ALL CALLOUTS



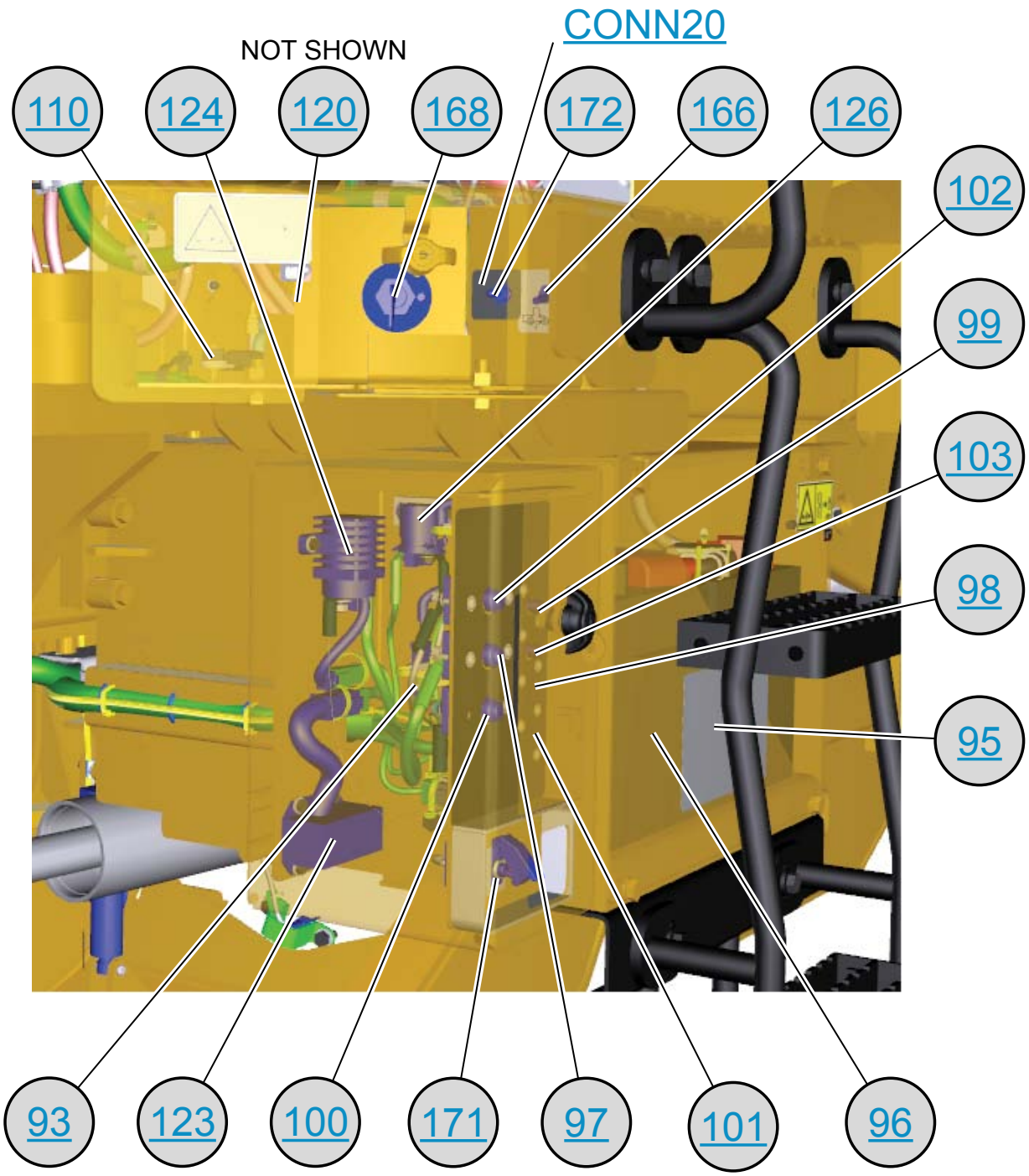
FRONT FRAME

VIEW ALL CALLOUTS



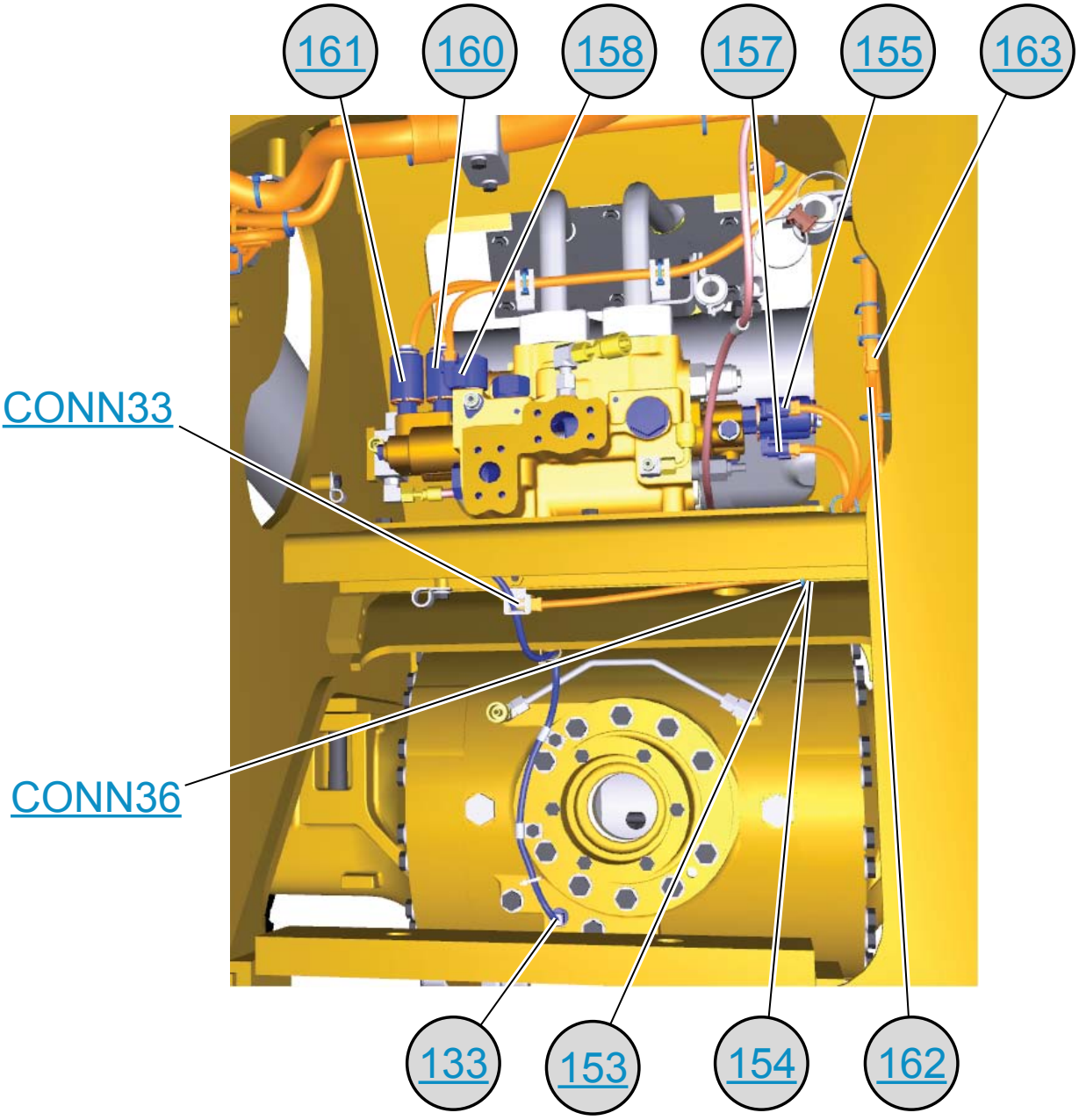
LEFT FRAME

VIEW ALL CALLOUTS



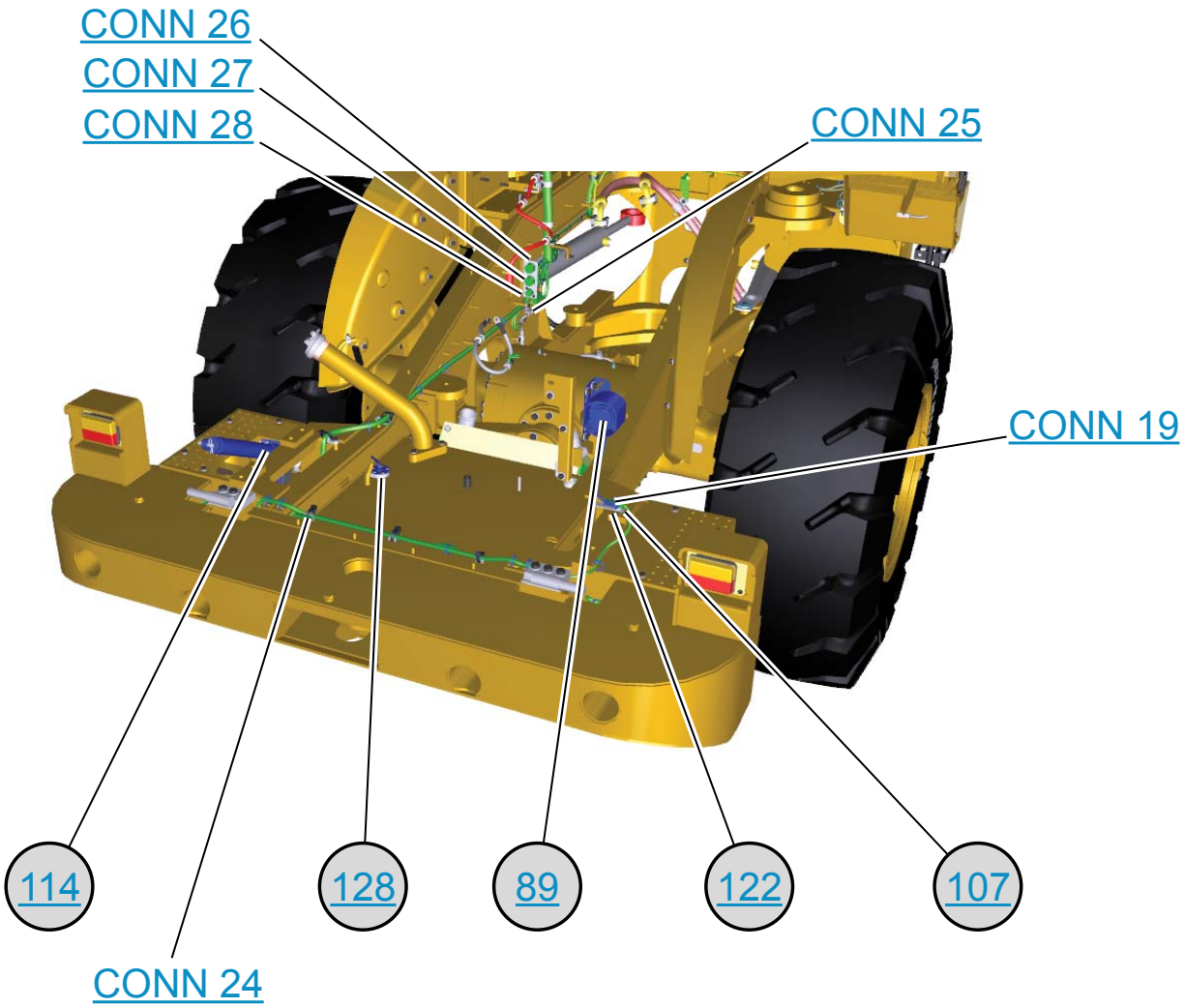
MAIN VALVE

VIEW ALL CALLOUTS



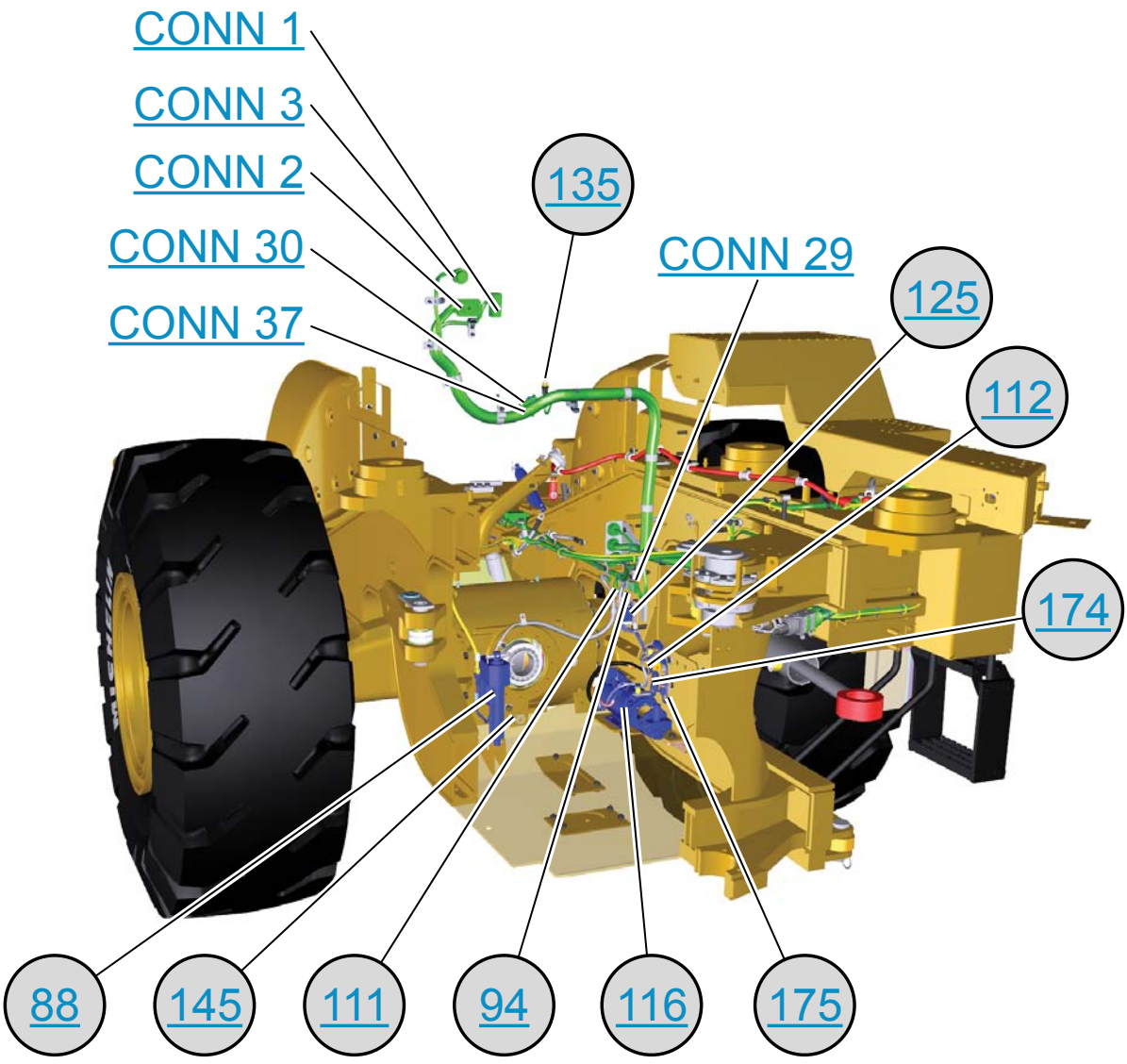
REAR BUMPER

VIEW ALL CALLOUTS



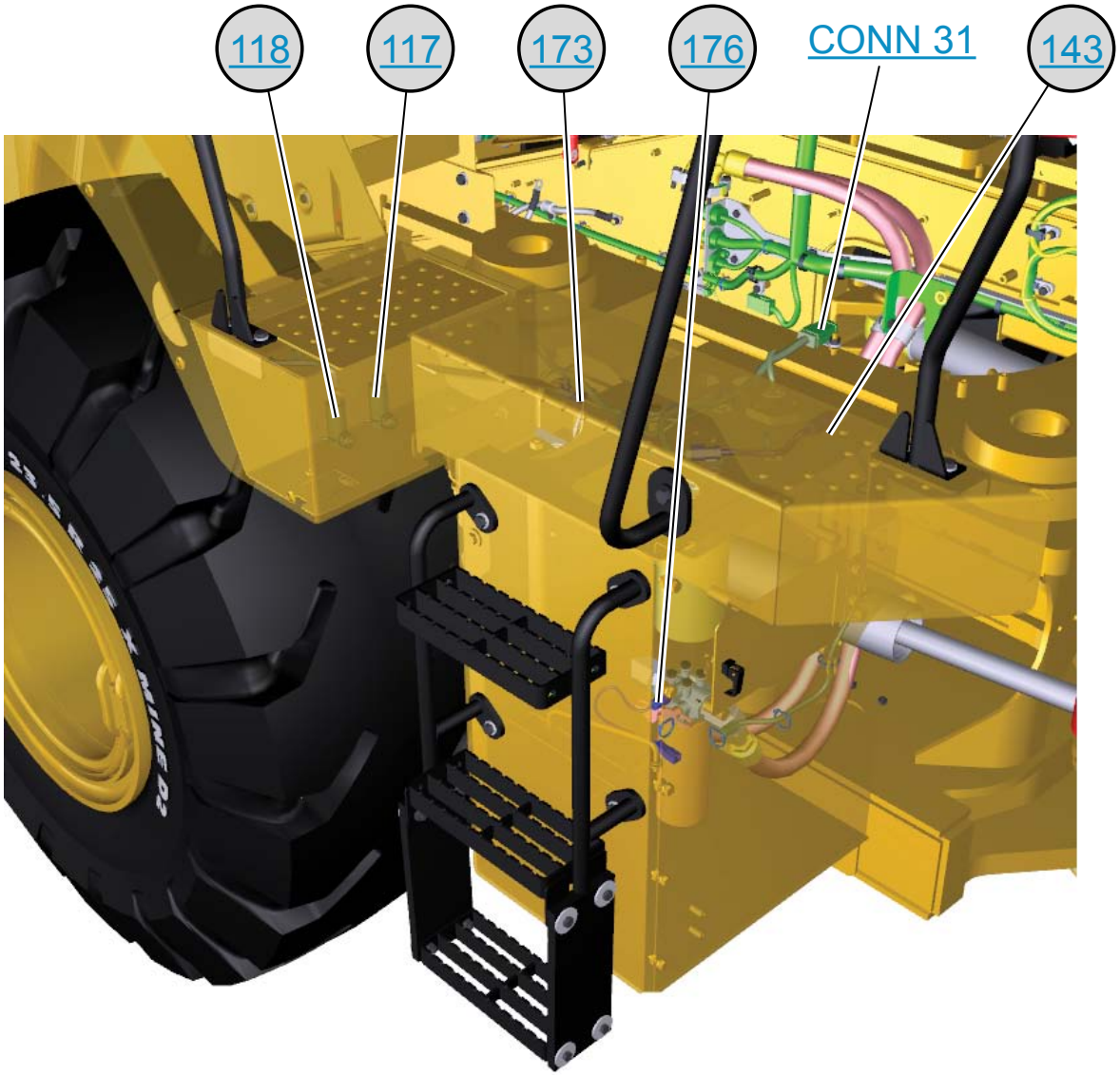
REAR FRAME

VIEW ALL CALLOUTS



RIGHT FRAME

VIEW ALL CALLOUTS



TRANSMISSION

VIEW ALL CALLOUTS