

Component Identifiers (CID) <sup>1</sup> Module Identifier (MID) <sup>2</sup> ADEM III ECM (MID No. 036)	
CID	Component
0001	Fuel Injector Solenoid #1
0002	Fuel Injector Solenoid #2
0003	Fuel Injector Solenoid #3
0004	Fuel Injector Solenoid #4
0005	Fuel Injector Solenoid #5
0006	Fuel Injector Solenoid #6
0041	ECM SV DC Supply
0042	Injector Actuation Control Valve
0091	Throttle Sensor
0094	Fuel Pressure Sensor
0100	Oil Pressure Sensor
0110	Engine Coolant Temperature Sensor
0154	Injector Actuation Pressure Sensor
0158	Electrical Power Supply
0172	Inlet Air Temperature Sensor
0175	Engine Oil Temperature Sensor
0190	Engine Speed Sensor
0248	Cam Data Link
0253	Personality Module mismatch
0254	Electronic Control Module
0261	Engine Speed Sensor
0262	5 Volt Sensor Supply
0267	Engine Shutdown Switch
0268	Check Programmable Parameters
0273	Turbo Outlet Pressure Sensor
0274	Atmospheric Pressure Sensor
0291	Engine Cooling Fan Solenoid
0296	Transmission ECM
0342	Camshaft Position Sensor
0562	Caterpillar Monitoring System
0617	Air Inlet Heater Relay
1552	Trans Lub Oil Temperature Sensor
1558	Turbo Inlet Air Pressure Sensor
Product Link ECM (MID No. 122)	
CID	Component
0168	Electrical Power Supply
0254	Electronic Control Module (Product Link)
0269	Sensor Power Supply
1251	Alternator R-Terminal Signal

<sup>1</sup> The CID is a diagnostic code that indicates which component is faulty.  
<sup>2</sup> The MID is a diagnostic code that indicates which electronic control module diagnosed the fault.

Event Codes For ADEM III ECM	
Event Code	Condition
E015	High Engine Coolant Temperature Derate
E017	High Engine Coolant Temperature Warning
E025	High Inlet Air Temperature Derate
E027	High Inlet Air Temperature Warning
E039	Low Engine Oil Pressure Derate
E053	Low Fuel Pressure Warning
E096	High Fuel Pressure
E100	Low Engine Oil Pressure Warning
E190	Engine Over Temp Warning
E272	Inlet Air Restriction Warning

Failure Mode Identifiers (FMI) <sup>1</sup>	
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.

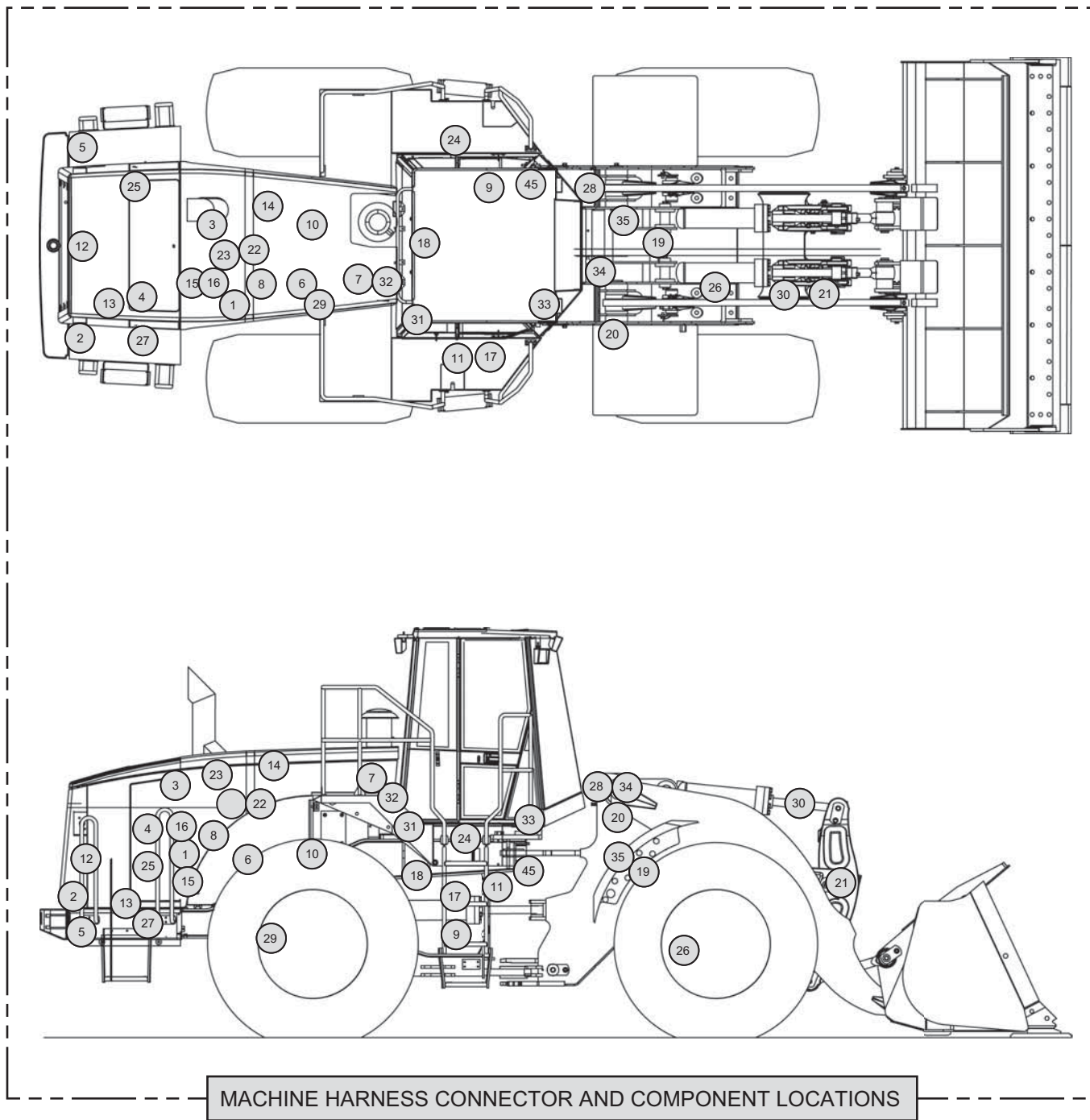
<sup>1</sup> The FMI is a diagnostic code that indicates what type of failure has occurred.

Related Electrical Service Manuals		
Title	Form Number	
Alternator:	185-0294	SEN94130
Electric Starting Motor:	207-1506	
Consist:	Delco 50MT	SEN93561
Consist:	Nippondenso R7.5	SEN94975
ADEM III Control:		SEN9617
Product Link Control:		SEBU7351

Wire Description					
Wire Number	Wire Color	Description	Wire Number	Wire Color	Description
<b>Power Circuits</b>					
101	RD	BATTERY+	701	GN	CLUTCH 1 REVERSE
102	RD	PLANNING LAMP PWR	752	YL	CLUTCH 2 FORWARD
104	YL	PRODUCT LINK PWR (SWITCHED)	754	BU	CLUTCH 3 FOURTH
106	WH	LIFT/LIFT POSITION SENSOR PWR	755	OR	CLUTCH 4 THIRD
109	RD	ALTERNATOR PWR	761	GY	LIFT POS SENSOR
110	RD	ENGINE ECM PWR (SWITCHED)	762	YL	BUCKET/TILT POS SW
112	PU	MAIN RELAY OUTPUT PWR	779	WH	QUICK COUPLER (ENGAGE SOL)
114	RD	FORWARD HORN PWR	A701	GY	FUEL INJECTOR CYLINDER 1
123	WH	AXLE OIL COOLER POWER	A702	PU	FUEL INJECTOR CYLINDER 2
136	GN	SECONDARY STEERING PWR	A703	BR	FUEL INJECTOR CYLINDER 3
138	GN	PAYLOAD MONITOR SYSTEM PWR	A704	GN	FUEL INJECTOR CYLINDER 4
0005	OR	ENGINE ECM PWR (UNSWITCHED)	A705	BU	FUEL INJECTOR CYLINDER 5
170	RD	PRODUCT LINK PWR (UNSWITCHED)	A706	GY	FUEL INJECTOR CYLINDER 6
174	RD	UNSWITCHED BUSS PWR	0713	OR	TURBO INLET PRESS SENSOR
175	RD	HOOD MOTOR PWR	0766	WH	DETENT ENABLE INTERLOCK
177	RD	MAIN CIRCUIT BREAKER PWR	0764	BR	PARKING BRAKE SW (ON)
199	RD	HOOD CONTROL PWR	H173	PK	LIFT PROPORTIONAL SOL
<b>Ground Circuits</b>					
200	BK	MAIN CHASSIS GND	H174	OR	LOWER PROPORTIONAL SOL
201	BK	OPERATOR MONITOR GND	H176	WH	IMPLEMENT ECM SOL/NOID RETURN
229	BK	ENGINE ECM GND	H177	BR	PILOT SOLENOID
251	BK	PAYLOAD MONITOR SYSTEM GND	H178	GY	BUCKET/TILT POSITION SENS (SIG)
A274	BK	PRODUCT LINK ECM GND	H746	OR	VARIABLE SPD FAN SOLENOID+
<b>Body Machine Circuits</b>					
304	WH	STARTER SOL START TERMINAL	H747	BR	VARIABLE SPD FAN SOLENOID-
306	GN	START RELAY COIL+	H748	PK	ENGINE OIL (SENSOR/NOID RETURN)
307	DR	KEY SW/START	R746	PK	TURBO OUTLET PRESSURE SENSOR
308	YL	MAIN POWER RELAY COIL+	R747	GY	ATMOSPHERIC PRESSURE SENSOR
321	BR	BACKUP ALARM	A893	OR	FUEL PRIMING PUMP MOTOR
322	GY	FORWARD HORN	0628	OR	ADRIALM FILTER SENSOR (SW)
326	RD	FUEL PRIMING PUMP	0627	BU	ADEM III FILTER SENSOR COMMON
397	OR	HOOD MOTOR LOWER	0628	WH	SENSOR PRESSURE +4V
398	BU	HOOD MOTOR RAISE	G829	GN	SENSOR PRESSURE COMMON
A300	GN	HOOD CONTROL LOWER	0853	PK	ENGINE TEMP SENSOR COMMON
A301	WH	HOOD CONTROL RAISE	0849	BR	ENGINE INJECTION ACTUATION PRESSURE
A307	GY	THROTTLE PEDAL POS SENS	0850	BU	AIR INLET HEATER RELAY COIL+
<b>Monitoring Circuits</b>					
453	GN	ALTERNATOR (R) TERMINAL	0853	PK	ENGINE INTAKE MANIFOLD AIR TEMP #2
416	OR	SEC STR PRESS SW (NO)	0854	PK	INJ. ACTUATION PRESSURE CONT. VALVE
417	GY	PRIMARY STR PRESS SW (NO)	0855	PU	IMP CONTROL VALVE COMMON
419	YL	DOWNHOLD BRAKE SW (OPT)	0856	WH	TDC PROBE+
425	BR	XMSN FILTER BYPASS SWITCH	0857	YL	TDC PROBE-
430	BU	AIR FILTER RESTRICTED IND	0863	PU	ENGINE ECM ANALOG SENSOR RTN
432	PK	BRAKE OIL PRES SWITCH (ON)	900	PU	CLUTCH 6 SECOND
442	GY	HYD TANK OIL TEMP SENSOR	901	WH	CLUTCH 6 FIRST
443	YL	TYC OULET TEMP SENSOR	944	OR	CAT DATA LINK+
447	PK	FUEL LEVEL SENSOR	945	BR	CAT DATA LINK-
450	YL	ENGINE ECM (ENGINE SPD)	982	OR	IMPLEMENT ECM SENSOR RTN
453	PK	SEC STR PRESS SW (NO)	985	BU	FORK POSITION SELECT
484	YL	PRIMARY STR PRESS SW (NO)	976	WH	XMSN ECM SOLENOID/INDICATOR RTN
486	WH	HYD TANK OIL LEVEL SENS	987	OR	RISE CONTROL OIL SOLENOID
E416	PU	LIFT CYL HEAD END PRES SENSOR	987	WH	DIVERTER SOLENOID
E425	BR	HYDRAULIC FILTER BYPASS SW	995	BU	COOLANT TEMPERATURE
F411	GY	ENGINE OIL TEMPERATURE	A882	BR	ENGINE ECM THROTTLE/IND VOLTS
G454	PK	PUMP DRIVE OIL TEMPERATURE	C987	RD	AIR INLET HEATER RELAY COIL+
G479	WH	SERVICE ENGINE INDICATOR	C992	YL	OIL FILTER MONITOR
G480	BU	FRONT AXLE OIL TEMP SW	C991	PK	FUEL PRESS SENSOR
G486	GN	REAR AXLE OIL TEMP SW	E900	WH	XMSN OUTPUT SPD SENS LEADING+
<b>Accessory Circuits</b>					
506	PU	FRONT WASHER PUMP+	E901	GN	XMSN OUTPUT SPD SENS LEADING-
507	WH	REAR WASHER PUMP+	E902	OR	XMSN INPUT SPD SENSOR
513	OR	A/C CLUTCH SOLENOID+	E903	WH	XMSN INPUT SPD SENSOR
521	YL	A/C SELECT SW (A/C POSITION)	E910	YL	AUX LIFT PROPORTIONAL SOL
522	WH	A/C CLUTCH SOLENOID-	E909	BR	AUX LOWER PROPORTIONAL SOL
C529	GY	LIFT CYL HE PRESS SENS	E921	PK	BACKPACK PROPORTIONAL SOL
C530	BU	LIFT POSITION SENSOR	E922	GN	DUMP PROPORTIONAL SOL
<b>Lighting Circuits</b>					
603	PK	ROTARY BEACON	E963	BK	CRANK RPM SENSOR-
604	OR	STOP LAMP	E964	WH	CRANK RPM SENSOR+
605	YL	LH TURN LAMPS	E965	BU	CAM RPM SENSOR-
606	GY	RH TURN LAMPS	E966	YL	CAM RPM SENSOR+
608	GN	REAR MACHINE LAMPS	X933	GN	OPERATOR MONITOR SENSOR PWR
611	PU	HEAD LAMP (HIGH)	X977	PK	XMSN OIL TEMP SENSOR
612	GY	BACKUP LAMP	L983	WH	FUEL INJECTOR RTN CYL 1-2
614	PU	LICENSE PLATE/RH TAIL/DASH LAMPS	L984	OR	FUEL INJECTOR RTN CYL 3-4
615	YL	FORWARD CAB FLOOD LAMPS	L985	YL	FUEL INJECTOR RTN CYL 5-6
617	BR	LH TAIL CLEARANCE LAMPS	M939	GN	RISE CONTROL AUTO SOLENOID
619	GN	PWD FLOOD/DASH BEAM LAMPS	R931	GN	GRAPIC AUTOMANUAL SW #2
<b>Control Circuits</b>					
709	RD	XMSN ECM SENSING (+VOLTS)	R976	BR	QUICK COUPLER RELEASE SOLENOID
727	OR	SEC STR INTER RELAY COIL+	R974	YL	XMSN LUBE OIL TEMP SENSOR
728	BU	SEC STR INTER RELAY COIL-	R974	OR	ETHER INJECT SWITCH
<b>Resistor, Sender and Solenoid Specifications</b>					
Part No.	Component Description	Resistance (Ohms) <sup>1</sup>			
122-5053	Solenoid: Injection Actuation Pressure	10.1			
128-7991	Solenoids: Cylinder Head 1 - 6	1.06 ± 0.05			
130-9811	Senders: Intake Manifold Air Temperature Turbo Converter Temperature	1000			
138-2924	Solenoid: Aux Lower Prop Dump Prop Lower Prop Lift Prop Aux Lift Prop	7.75 ± 1.0			
147-5399	Solenoids: Transmission Clutch	8.15 ± 0.6			
148-2350	Solenoid: Variable Speed Fan	5.0 ± 0.3			
152-5469	Solenoid: Axle Oil Cooler Clutch	8.4 ± 0.0			
152-6791	Solenoid: On/Off Fan	32.6 ± 1.6			
152-6340	Solenoids: Ride Control	32.6 ± 1.6			
157-8857	Sender: Fuel Level	Empty: 95 ± 3.0			
163-0872	Solenoid: A/C Clutch	17.8 ± 0.6			
161-4687	Sender: Engine Oil Temperature	16			
3E-8575	Solenoid: Quick Coupler	24.9 ± 0.4			
<sup>1</sup> At room temperature unless otherwise noted.					
<b>Off Machine Switch Specification</b>					
Part No.	Function	Actuate	Deactuate	Contact Position	
114-5333	A/C (High / Low) Pressure	Low 275 Pa <sup>1</sup>	170 ± 55 kPa (25 ± 8 psi)	Normally Open <sup>2</sup>	
117-7773	Transmission Filter Bypass Pressure	High 2800 ± 140 Pa <sup>1</sup> (40 ± 20.3 psi)	1750 ± 200 kPa (254 ± 29 psi)	Normally Closed	
155-8996	Axle Oil Cooler Temperature	138 ± 200 Pa <sup>1</sup> (20 ± 4.6 psi)	58°C MIN (136 ± 17.4°F)	Normally Open	
155-8999	Front Axle Oil Temperature	125 ± 3.0°C (257 ± 37.4°F)	117°C MIN (243 ± 88.2°F)	Normally Closed	
174-4312	Brake Pressure	6270 kPa MAX (900 psi MAX)	6890 ± 345 kPa (1000 ± 50 psi)	A-B, Normally Open	
175-3244	Brake Oil Pressure	10700 kPa MAX (1502 psi MAX)	8900 ± 337 kPa (1300 ± 78 psi)	A-C, Normally Closed	
3E-6450	Primary Steering Pressure	1200 kPa MAX (174.0 psi MAX)	700 ± 100 kPa (100 ± 14.5 psi)	A-B, Normally Open	
7X-8549	Hydraulic Filter Bypass Pressure	110 - 135 kPa <sup>1</sup> (15.8 - 20.0 psi)	69 - 105 kPa (12.5 - 15.1 psi)	Normally Open	
<sup>1</sup> A hysteresis band exists: 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 (25psi).					
<sup>2</sup> Contact position at the contacts of the harness connector.					

Component Location					
Component	Schematic Location	Machine Location	Component	Schematic Location	Machine Location
Alarm - Backup	G-15, A15	2	Sensor - Lift Position	A-14	8
Alternator	H-13	3	Sensor - Oil Pressure	F-9	18
Am Suppressor	E-15	4	Sensor - Output Speed (Leading)	F-9	18
Batteries	A-10	5	Sensor - Output Speed (Trailing)	F-9	18
Breaker - ADEM III Control	B-8	4	Sensor - Transmission Lubr Oil Temperature	E-7	7
Breaker - Alternator	A-8	4	Sensor - Transmission Oil Temperature	G-9	18
Breaker - Hood Actuator	B-8	4	Sensor - Turbo Inlet Pressure	E-8	14
Breaker - Main	B-8	4	Sensor - Turbo Outlet Pressure	D-14	14
Breaker - Raising Lamp	C-8	4	Solenoid - A/C Clutch	E-15	3
Breaker - Unswitched Bus	B-8	4	Solenoid - Aux. Lift Prop	J-2	19
Control - Product Link	D-7	7	Solenoid - Aux. Lower Prop	J-2	19
Control - ADEM III	A-11	6	Solenoid - Axle Oil Cooler Clutch	I-2	16
Control - Hood Release/Lower	B-7	4	Solenoid - Dump Prop	J-2	19
Diode - Quick Coupler Enable	K-6	45	Solenoid - Grapple	J-2	20
Diode - Quick Coupler Release	K-6	45	Solenoid - Injection Actuation Pressure	D-14	23
Inverter - Air Inlet	E-14	23	Solenoid - Lift Prop	I-2	19
Motor - Front Washer	G-6	11	Solenoid - Lower Prop	G-2	19
Motor - Fuel Priming Pump	D-12	8	Solenoid - On/Off Pist	I-3	19
Motor - Hood Actuator	A-15	2	Solenoid - Rackback Prop	J-3	19
Motor - Secondary Steering	G-6	11	Solenoid - Ride Control On	I-2, I-3	19
Motor - Starter	G-12	10	Solenoid - Variable Speed Fan	A-14	15
Relay - Air Inlet Heater	E-14	22	Solenoids - Cylinder Head	C-15	22
Relay - Backup Alarm	A-15	12	Solenoids - Quick Coupler	J-8	19
Relay - Main	A-8	4	Solenoids - Transmission Clutch	E-15	3
Relay - Secondary Steering	K-10	4	Switch - A/C Pressure	G-13	29
Relay - Secondary Steering Intermediate	K-10	9	Switch - Brake Oil Pressure	K-7	24
Relay - Start	A-9	4	Switch - Bucket Tilt Position	K-3	30
Sender - Coolant Temperature	E-14	8	Switch - Deactuate	B-15	25
Sender - Engine Oil Temperature	D-14	23	Switch - Fork Position	C-2	30
Sender - Fuel Level	K-7	13	Switch - Front Axle Oil Temperature	H-2	26
Sender - Inlet Manifold Air Temperature	B-14	14	Switch - Fuel Priming Pump	D-12	8
Sender - Turbine Converter Temperature	F-7	8	Switch - Ground Level Shutdown	B-14	27
Sender - Atmospheric Pressure	E-14	14	Switch - Hood Actuator	B-14	27
Sensor - Bucket Tilt Position	K-3	21	Switch - Hydraulic Filter Bypass	G-6	24
Sensor - Cam Speed Timing	A-14	15	Switch - Hydraulic Oil Level	G-6	17
Sensor - Coolant Speed Timing	A-14	16	Switch - Lift Position	K-3	26
Sensor - Fuel Pressure	B-14	8	Switch - Park Brake Pressure	K-7	24
Sensor - Hydraulic Temperature	G-6	17	Switch - Primary Steering Pressure	J-6	9
Sensor - Injection Actuation Pressure	D-14	23	Switch - Rear Axle Oil Temperature	I-2	29
Sensor - Inlet Speed	G-6	18	Switch - Secondary Steering Pressure	J-8	29
Sensor - Lift Cylinder Head End Pressure	H-2	19	Switch - Transmission Filter Bypass	K-5	29

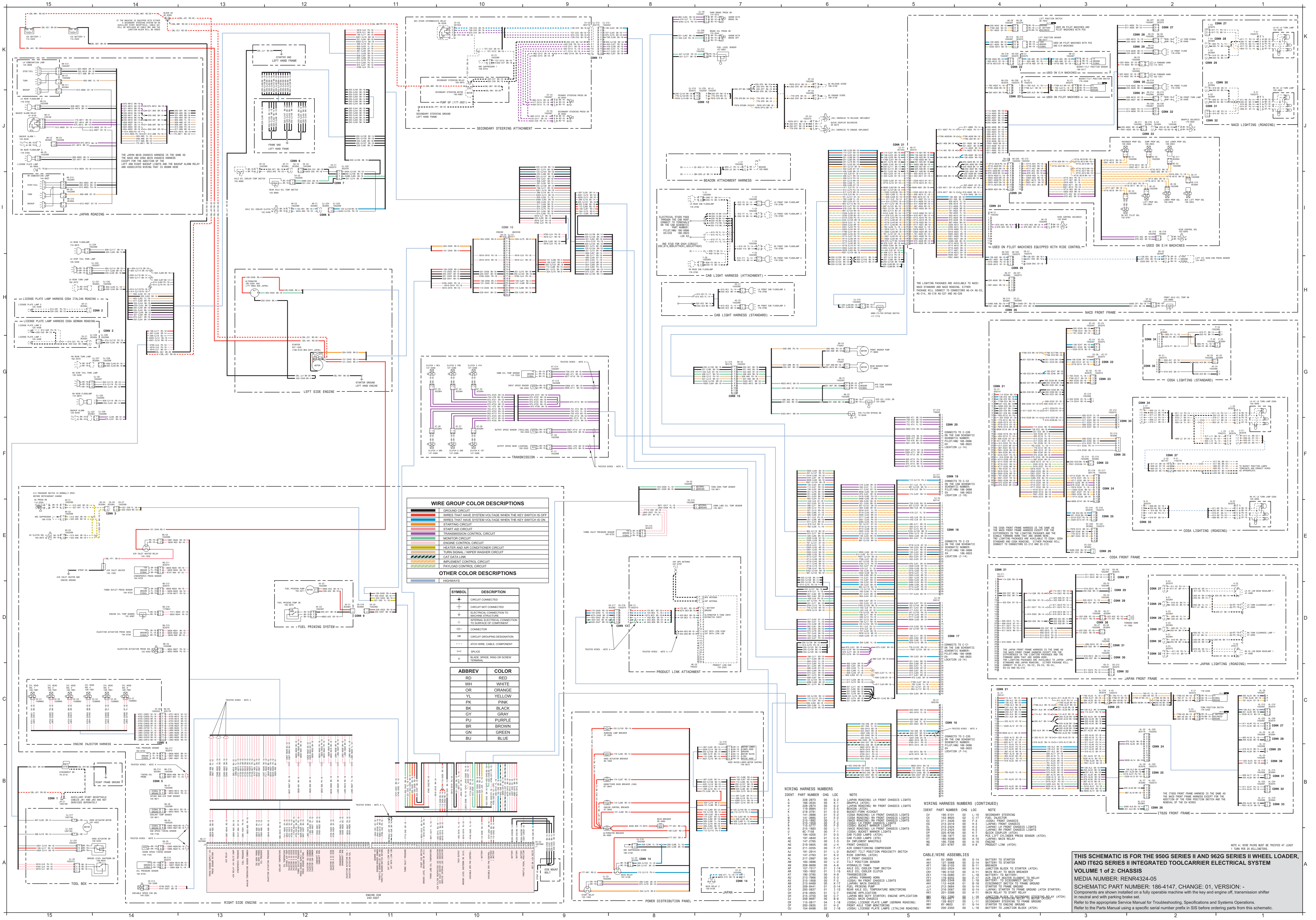
Check Part Numbers in the Parts Manual for your Specific Machine.  
Machine locations are indicated for components located close together.  
A = Located inside of cab.  
B = Located inside of right console.  
C = Located inside of left console.  
D = Located around relay panel.  
E = Located around hydraulic oil tank.  
F = Located around pilot manifold.  
G = Located under platform.



Connector Location		
Connector Number	Schematic Location	Machine Location
CONN 1	Aux. Start Receptacle	G-14, I-2
CONN 2		G-14, I-2
CONN 3		E-14, 3
CONN 4		C-14, 22
CONN 5	Timing / Calibration Probe	B-14, 8
CONN 6		I-12, 6
CONN 7		I-12, 6
CONN 8		I-12, 3
CONN 9		D-11, 8
CONN 10		I-10, 6
CONN 11		K-8, 9
CONN 12		J-7, 35
CONN 13		D-8, 32
CONN 14		A-7, 4
CONN 15		G-7, 31
CONN 16		C-5, 32
CONN 17		D-5, 32
CONN 18		E-5, 32
CONN 19		F-5, 32
CONN 20		F-5, 32
CONN 21		C-4, D-4, 33
CONN 22		G-4, J-6, 34
CONN 23		G-3, G-4, K-4, 34
CONN 24		B-2, F-3, I-4, 19
CONN 25		E-2, E-3, H-4, 19
CONN 26		B-2, H-4, 35
CONN 27		C-1, D-2, 34
CONN 28		B-1, D-2, 34
CONN 29		D-3, K-2, 34
CONN 30		D-3, K-2, 34
CONN 31		B-1, D-1, 20
CONN 32		D-3, J-2, 20
CONN 33		B-1, F-3, J-2, 20
CONN 34		F-3, G-2, 34
CONN 35		E-2, F-3, G-2, 20
CONN 36		F-1, 34
CONN 37		F-2, 34
CONN 38		B-1, D-3, 34

The connectors



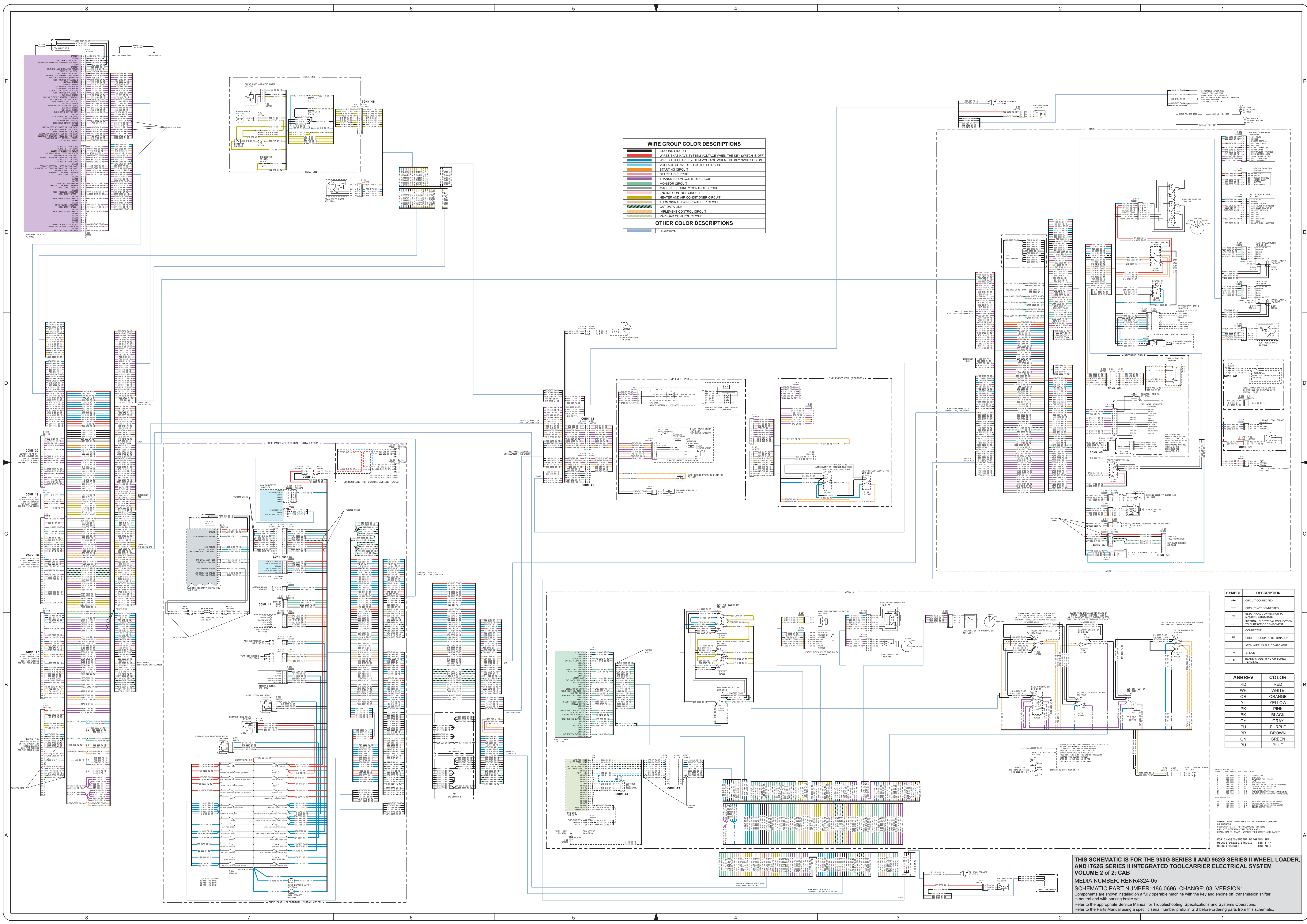


**THIS SCHEMATIC IS FOR THE 950G SERIES II AND 962G SERIES II WHEEL LOADER, AND IT62G SERIES II INTEGRATED TOOLCARRIER ELECTRICAL SYSTEM**  
**VOLUME 1 of 2: CHASSIS**  
MEDIA NUMBER: REN4324-05  
SCHEMATIC PART NUMBER: 186-4147, CHANGE: 01, VERSION: -  
Components are shown installed on a fully operable 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.



Component Identifiers (CID) <sup>1</sup>	
Module Identifier (MID) <sup>2</sup>	
Caterpillar Monitoring System (MID No. 030)	
CID	Component
0986	Fuel Level Sensor
0100	Engine Oil Pressure Sensor
0110	Engine Coolant Temperature Sensor
0177	Torque Converter Oil Temperature Sensor
0248	Data Link
0263	Sensor Power Supply
0271	Action Alarm
0324	Action Lamp
0427	Temp Sensor (Front Axle Oil)
0428	Temp Sensor (Rear Axle Oil)
0600	Hydraulic Oil Temperature Sensor
0819	Display Data Link
0821	Display Power Supply
0828	Temp Sensor (Torque Converter Oil)
0830	Brake Oil Temperature Sensor
Payload Control System (MID No. 074)	
CID	Component
0168	Electrical System Voltage
0254	Payload Electronic Control Module
0350	Lift Linkage Position Sensor
0364	Head End Lift Cylinder Pressure Sensor
0769	Rod End Lift Cylinder Pressure Sensor
0817	Internal Backup Battery
0820	Keypad Data Link
Transmission Control (MID No. 081)	
CID	Component
0041	+8 Volts Sensor Supply
0169	Ride Control Solenoid 2
0168	Electrical System Voltage
0177	Transmission Oil Temperature Sensor
0180	Engine Speed Sensor
0268	Programmable Parameters
0363	Ride Control Solenoid 1
0367	Ride Control Switch
0368	Transmission Auto/Manual Switch
0444	Start Relay
0562	Cat Monitoring System
0565	Transmission Output Speed Sensor 1
0521	Downshift Switch
0522	Upshift Switch
0523	Directional Switch
0527	Parking Brake Pressure Switch
0650	Harness Code
0658	Transmission Shift Lever
0672	Torque Converter Output Speed Sensor
0673	Speed Sensor (Transmission Output 2)
0703	Pressure Switch (Primary Steering)
0704	Pressure Switch (Secondary Steering)
0705	Secondary Steering Intermediate Relay
1227	Position Sensor (Lift Brake Pedal)
1401	Transmission Clutch 1 Solenoid
1402	Transmission Clutch 2 Solenoid
1403	Transmission Clutch 3 Solenoid
1404	Transmission Clutch 4 Solenoid
1405	Transmission Clutch 5 Solenoid
1406	Transmission Clutch 6 Solenoid
1521	Variable Speed Control Switch
1639	Machine Security System (MSS)
Theft Deterrent Module (MID No. 124)	
0168	Voltage Above Normal
0248	Cat Data Link Error
0817	Real Time Clock Not Running
1391	MSS Output Driver #1
1392	MSS Output Driver #2
1393	MSS Output Driver #3
1394	MSS Output Driver #4
1395	MSS Output Driver #5
1396	MSS Output Driver #6
1397	MSS Output Driver #7
1398	MSS Output Driver #8
1399	MSS Output Driver #9
1400	MSS Output Driver #10
1401	MSS Output Driver #11
1402	MSS Output Driver #12
1403	MSS Output Driver #13
1404	MSS Output Driver #14
1405	MSS Output Driver #15
1406	MSS Output Driver #16
1407	MSS Output Driver #17
1408	MSS Output Driver #18
1409	MSS Output Driver #19
1410	MSS Output Driver #20
1411	MSS Output Driver #21
1412	MSS Output Driver #22
1413	MSS Output Driver #23
1414	MSS Output Driver #24
1415	MSS Output Driver #25
1416	MSS Output Driver #26
1417	MSS Output Driver #27
1418	MSS Output Driver #28
1419	MSS Output Driver #29
1420	MSS Output Driver #30
1421	MSS Output Driver #31
1422	MSS Output Driver #32
1423	MSS Output Driver #33
1424	MSS Output Driver #34
1425	MSS Output Driver #35
1426	MSS Output Driver #36
1427	MSS Output Driver #37
1428	MSS Output Driver #38
1429	MSS Output Driver #39
1430	MSS Output Driver #40
1431	MSS Output Driver #41
1432	MSS Output Driver #42
1433	MSS Output Driver #43
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1436	MSS Output Driver #46
1437	MSS Output Driver #47
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1440	MSS Output Driver #50
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1452	MSS Output Driver #62
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1458	MSS Output Driver #68
1459	MSS Output Driver #69
1460	MSS Output Driver #70
1461	MSS Output Driver #71
1462	MSS Output Driver #72
1463	MSS Output Driver #73
1464	MSS Output Driver #74
1465	MSS Output Driver #75
1466	MSS Output Driver #76
1467	MSS Output Driver #77
1468	MSS Output Driver #78
1469	MSS Output Driver #79
1470	MSS Output Driver #80
1471	MSS Output Driver #81
1472	MSS Output Driver #82
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SYMBOL	DESCRIPTION
+	CIRCUIT CONNECTED
-	CIRCUIT NOT CONNECTED
+	ELECTRICAL CONNECTION TO MACHINE STRUCTURE
-	MECHANICAL ELECTRICAL CONNECTOR TO COMPONENT
+	CONNECTOR
+	CIRCUIT GROUPING DESIGNATION
---	ATCH WIRE CABLE COMPONENT
∞	BUSLINE
○	SLICE, SHADE, 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

**THIS SCHEMATIC IS FOR THE 950G SERIES II AND 962G SERIES II WHEEL LOADER, AND IT62G SERIES II INTEGRATED TOOLCARRIER ELECTRICAL SYSTEM VOLUME 2 of 2: CAB**  
 MEDIA NUMBER: REN4324-05  
 SCHEMATIC PART NUMBER: 186-0696, CHANGE: 03, 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.