

Wire Description			
Wire Number	Wire Color	Description	Wire Color
101	RD	Battery (+)	GN
102	BU	Head Lamp	PK
103	RD	Head Lamp	PK
104	RD	Key Switch	BU
108	RD	Battery (+) to Product Link	PK
109	RD	Head Lamp	PK
111	RD	Machine Control Battery (+)	GN
112	PU	Main Power Relay Output	GY
114	RD	Warning Horn (Forward)	BR
116	BR	Frame Level/Flow	GN
117	RD	Lift Pump Battery (+)	GN
118	GY	Flood Water Motor	WH
119	PK	Wiper Motors Steer Power	BR
121	YL	Accessory Socket	YL
122	RD	Fuel Injector Relay	BU
123	WH	Cool Start Relay	GN
124	GN	AC Solenoid (Low)	GN
125	OR	Oil Tank Lamp	YL
127	OR	Boom Floods	WH
128	PK	Oil Filter Bypass	PK
130	GN	Cab Floods 2	GN
131	BR	Cab Floods 1	BR
133	OR	PHS	WH
135	BU	Radio Power	GN
136	GN	Assault Circuit	WH
141	PK	Shift	BR
144	GN	Steering	PK
147	PU	Assault Dry Power	GN
150	RD	Engine ECM Battery (+)	GN
157	YL	Indicator Switch Power	WH
161	RD	Headlamp Indicator	OR
165	YL	Differential Lock Foot Switch	GY
200	BR	Chassis	BR
205	BR	Chassis	BR
229	BR	Engine	BR
A270	BR	Fuel Pump Return	GY
304	WH	Starter Relay No. 1 Output	PU
305	OR	Starter Relay No. 2	OR
307	OR	Key Switch	OR
308	PU	Main Power Relay Coil	PU
317	YL	Cool Start Relay	YL
321	BR	Backup Alarm	BR
322	GY	Fuel Pump Return (Forward)	GY
323	WH	Fuel Pump Power	WH
324	BU	Differential Lock Solenoid	BU
325	PK	Fuel Pump Relay Control	PK
329	YL	Fuel Pump to Switch	YL
352	BU	Start Relay No. 1 Resistor to Diagnostic	BU
375	BR	Cool Start Relay to Engine ECM	BR
A309	GY	Fuel Lift Pump	GY
A310	BU	Transmission Temperature Switch (HV)	BU
400	GN	Alternator Terminal	GN
403	OR	Oil Pressure Intermediate Speed Sensor	OR
403	YL	Power Trim Temperature Gauge	YL
447	PK	Fuel Level Gauge	PK
C448	YL	Alternator Indicator Lamp	YL
E450	GN	Oil Filter Bypass Switch	GN
500	BR	Wiper - Front (Park)	BR
501	GN	Wiper - Front (Low)	GN
502	OR	Wiper - Front (High)	OR
503	BR	Wiper - Rear (Park)	BR
504	YL	Wiper - Rear (Low)	YL
505	OR	Wiper - Rear (High)	OR
507	WH	Washer - Rear	WH
508	PU	Speaker - Left	PU
511	BR	Speaker - Right (Common)	BR
512	GN	Speaker - Right (Common)	GN
513	OR	AC Solenoid (Intermediate) Pressure Switch	OR
515	GY	Blower Motor (High)	GY
516	GN	Blower Motor (Medium)	GN
517	BU	Blower Motor (Low)	BU
518	OR	Hazard Flasher (Low)	OR
521	BR	AC Solenoid (High) Pressure Switch	BR
522	WH	AC Clutch to Temperature Switch	WH
523	BR	Roof Wiper	BR
524	BU	Roof Wiper	BU
529	WH	Roof Wiper	WH
536	WH	Hazard Switch to Turn Switch	WH
A516	BR	Blower Motor No. 2 (High)	BR
A516	PK	Blower Motor No. 2 (Medium)	PK
C547	OR	Blower Motor No. 2 (Low)	OR
E564	PK	AC Compressor to AC Compressor Clutch	PK
603	PK	Roof Incom	PK
604	OR	Roof Lamp	OR
605	YL	Turn Lamp - Left	YL
606	OR	Turn Lamp - Right	OR
608	GN	Flood Lamp - Steer	GN
610	OR	Head Lamp - Electric	OR
611	PK	Head Lamp - Hal	PK
612	GY	Backup Lamp	GY
614	PU	Park/Tail/Flash Lamp	PU
615	YL	Cab Flood Lamp	YL
616	BU	Bucket/Boom Flood Lamp #2	BU
617	BR	Tail/Position Lamp - Left (Flash Pkg. With)	BR
618	YL	Tail/Position Lamp - Right (Flash Pkg. With)	YL
619	GN	Head Lamp (Low)	GN
627	YL	Key Lamp	YL
640	YL	Light Switch to Park/Tail Lamp Breaker	YL
676	PU	Assault Active Lamp	PU
700	GN	Platform Mode Switch	GN
701	GN	Transmission Shift Solenoid - Forward	GN
702	YL	Transmission Shift Solenoid - Reverse	YL
703	GY	Cab Platform Select Switch	GY
704	BU	Transmission Shift Solenoid No. 1 or 3	BU
705	OR	Transmission Shift Solenoid No. 1 or 3	OR
706	WH	Transmission Lockup Clutch Solenoid	WH
707	PU	Transmission Neutral	PU
708	GN	Booth Lower Switch	GN
709	OR	Steer Mode Select Switch	OR
710	PK	Steer Mode Select Switch	PK
711	GY	Steer Mode Select Switch	GY
714	PU	Quick Coupler Switch	PU
715	OR	Quick Coupler Switch	OR
716	OR	Quick Coupler Switch	OR
717	GN	Service Brake Pressure Switch	GN
718	BU	Man VSD Switch	BU
719	YL	Implement Drive	YL
720	PU	PHS Joystick Drive Control	PU
721	PK	PHS Joystick Y Axis	PK
722	OR	PHS Joystick X Axis	OR
723	GN	PHS Joystick Drive Relay	GN
724	GN	Booth Lowered	GN
725	YL	Boom Angle Switch	YL
726	OR	PHS Joystick Drive Control	OR
727	YL	Implement Drive Switch	YL
728	YL	Assault Drive Relay	YL
729	YL	Quick Coupler Relay	YL
730	WH	PHS Valves +10V	WH

Component Identifiers (CID) ¹ Module Identifier (MID) ²			
Engine Control (MID No. 036)			
CID	Component	Schematic Location	Machine Location
0041	ECM (Electronic Control Module) 3 Volt DC Supply	0041	0041
0051	Throttle Position Sensor	0051	0051
0102	Engine Oil Pressure Sensor	0102	0102
0102	Boost Pressure Sensor	0102	0102
0105	Inlet Manifold Temperature Sensor	0105	0105
0105	Engine Coolant Temperature Sensor	0105	0105
0110	Fuel Injector Relay	0110	0110
0247	SAE J1939 Data Link	0247	0247
0253	Pressure Monitor (Low Pressure)	0253	0253
0262	5 Volt Sensor Power Supply	0262	0262
0265	Crank Without Ignition Input	0265	0265
0265	Speed/Energy Sensor	0265	0265
0262	Secondary Engine Speed Sensor	0262	0262
0274	Secondary Throttle Position Sensor	0274	0274
1627	Fuel Pump Relay	1627	1627
1630	Machine Security System Module	1630	1630
1684	Fuel Injector Pump	1684	1684
1743	Engine Operation Mode Selector Switch	1743	1743
1884	Crane Control Disengage Switch	1884	1884
1885	Crane Control Speed Logoff Switch	1885	1885
Machine Control (MID No. 039)			
CID	Component	Schematic Location	Machine Location
0041	ECM (Electronic Control Module) 3 Volt DC Supply	0041	0041
0070	Parking Brake Switch	0070	0070
0096	Fuel Level Sensor	0096	0096
0102	Engine Coolant Temperature Sensor	0102	0102
0117	Transmission Oil Temperature Sensor	0117	0117
0262	5 Volt Sensor Power Supply	0262	0262
0271	Active Alarm	0271	0271
0388	Transmission AutoManual Switch	0388	0388
0444	Starter Motor Relay	0444	0444
0485	Tractor Switch (Out) of Joystick Control	0485	0485
0490	Implement Lockout Switch	0490	0490
0590	Engine Control Module	0590	0590
0620	Neonator Switch	0620	0620
0668	Transmission Shift Lever	0668	0668
0702	Transmission Gear Lever Selector Sensor (Switch)	0702	0702
0750	Rear Steering Manual Switch	0750	0750
0811	Gauge Cluster #1	0811	0811
0820	Torque Converter Oil Temperature Sensor	0820	0820
1127	Position Sensor - (Third Back Level) of Joystick Control	1127	1127
1187	Continuity Flow Switch	1187	1187
1198	Position Sensor - (Low, High, R Thumb) of Joystick Control	1198	1198
1251	Alternator R Terminal Signal	1251	1251
1265	ECM Location Code	1265	1265
1403	Transmission Solenoid 1	1403	1403
1405	Transmission Solenoid 2	1405	1405
1406	Transmission Solenoid 3	1406	1406
1407	Transmission Solenoid 4	1407	1407
1410	Transmission Solenoid 5	1410	1410
1429	Quick Coupler Switch	1429	1429
1430	Quick Coupler Solenoid	1430	1430
1433	Data Link	1433	1433
1468	Position Sensor - Left Thumb Level of Joystick Control	1468	1468
1740	Crane Steering Solenoid	1740	1740
1741	Crane Steering Solenoid	1741	1741
1763	Operator Station Solenoid Switch	1763	1763
1788	Right Stabilizer Operator Switch	1788	1788
1788	Left Stabilizer Operator Switch	1788	1788
1820	Auxiliary Implement Diverter Relay	1820	1820
1823	Position Sensor - Shift Rail No. 1	1823	1823
1824	Position Sensor - Shift Rail No. 2	1824	1824
1825	Position Sensor - Shift Rail No. 3	1825	1825
1826	Longitudinal Stability Indicator Sensor	1826	1826
1827	Longitudinal Stability System	1827	1827
1828	Boom Angle Switch	1828	1828
1829	Boom Position Status	1829	1829
1830	Boom Telescopic Position Status	1830	1830
1831	Rear Axle Lock Solenoid Switch	1831	1831
1832	Right Stabilizer Pressure Sensor	1832	1832
1833	Left Stabilizer Pressure Sensor	1833	1833
1834	Ignition Key Switch	1834	1834
1845	Programmable Hydraulic System PHS Module #1	1845	1845
1846	Programmable Hydraulic System PHS Module #2	1846	1846
1847	Programmable Hydraulic System PHS Module #3	1847	1847
Shift Lever ECM (MID No. 117)			
CID	Component	Schematic Location	Machine Location
0168	Electrical System Voltage	0168	0168
0668	Transmission Shift Lever	0668	0668
Machine Security (MID No. 124)			
CID	Component	Schematic Location	Machine Location
0168	Electrical System Voltage	0168	0168
0248	SAE J1939 Data Link	0248	0248
0817	ECM Internal Backup Battery	0817	0817
1381	Thief Deterrent Output Driver #1	1381	1381
1382	Thief Deterrent Output Driver #2	1382	1382
1750	Stabilizer Relay 1	1750	1750
1750	Frame Level Solenoid	1750	1750
1756	OR Filter Bypass Switch	1756	1756
2811	OR Filter Return	2811	2811
3843	BC Machine Security LED Ground	3843	3843
3847	GN Monitor Alarm	3847	3847
4291	OR Rear Fuel Switch	4291	4291
4730	OR Oil Pressure Sensor	4730	4730
4731	BR Coolant Temperature Sensor	4731	4731
4740	BR Transmission Oil Temperature Sensor	4740	4740
4867	PK Product Link	4867	4867
4868	PK Product Link	4868	4868
4869	PK Product Link	4869	4869
4870	PK Product Link	4870	4870
4871	PK Product Link	4871	4871
4872	PK Product Link	4872	4872
4873	PK Product Link	4873	4873
4874	PK Product Link	4874	4874
4875	PK Product Link	4875	4875
4876	PK Product Link	4876	4876
4877	PK Product Link	4877	4877
4878	PK Product Link	4878	4878
4879	PK Product Link	4879	4879
4880	PK Product Link	4880	4880
4881	PK Product Link	4881	4881
4882	PK Product Link	4882	4882
4883	PK Product Link	4883	4883
4884	PK Product Link	4884	4884
4885	PK Product Link	4885	4885
4886	PK Product Link	4886	4886
4887	PK Product Link	4887	4887
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4902	PK Product Link	4902	4902
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4915	PK Product Link	4915	4915</

