

To: All Distributors
Regional Sales Managers and National Sales Manager

From: Technical Support

Model: All

Subject: Wire Number/Color Identification Chart

Labrie Enviroquip Group incorporates a standard electrical wire identification system for all electrical connections. This is used across all product brands and models.

To aid in diagnostics, the attached chart lists all wire numbers, colors and their function.

Please contact LabriePlus at (800) 231-2771 with any questions or for further information.



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
+1	MAIN ACCESSORIES SUPPLY	RED
+12	+12V SUPPLY	RED
+12V	12 VOLT BATTERY SUPPLY	RED
+12VDC	+12V SUPPLY	RED
+VALVE	VALVE POSITIVE SIGNAL	RED
0100	TRUCK AIR PRESSURE SIGNAL	BLACK
0100A	LIGHT L1	BLACK
0101A	LIGHT L2	GREEN
0102A	LIGHT L3	GREEN
0103	CYCLE A BUTTON	YELLOW
0104	CYCLE B BUTTON	PURPLE
0105	CYCLE C BUTTON	BLACK
0106	CYCLE D BUTTON	WHITE
0107	CYCLE E BUTTON	GREY
0108	START BUTTON	ORANGE
0109	PAUSE BUTTON	BLUE
0110	UNUSED	BLACK
0112	FILTER SPEED CONTROL SIGNAL	RED
0112A	LIGHT L4	RED
0113A	LIGHT L5	GREEN
0114	UNUSED	ORANGE
0115	CYCLE F BUTTON	BLUE
0200	VACUUM PUMP CLUTCH VALVE CONTROL	BLACK
0201	WASHER VALVE CONTROL	RED
0202	DEPRESSURIZATION VALVE CONTROL	BLACK
0203	FILTER AIR ENTRY VALVE CONTROL	BLACK
0204	FILTER WATER IN VALVE CONTROL	BLACK
0205	FILTER WATER OUT VALVE CONTROL	BLACK
0206	FILTER PURGE VALVE CONTROL	BLACK
0207	WATER-MUD LINK VALVE CONTROL	BLACK
0300	BUZZER ENABLE SIGNAL	BLACK
0301	CYCLE G BUTTON	WHITE
0307	GESTION"RPM" SIGNAL	YELLOW
0400	REEL LOCK VALVE CONTROL	BLACK
0401	DIREC ENTRY TO WATER TANK VALVE CONTROL	BLACK
0402	WATER SEDIMENT VALVE CONTROL	BLACK
0403	WASH CONTROL	BLACK
0600	REEL LOCK VALVE CONTROL	BLACK
0601	FILTER SPEED CONTROL	BROWN
0602	PTO HYD. ENABLE VALVE CONTROL	RED
0603	RED LIGHT CONTROL	ORANGE
0604	BLUE LIGHT CONTROL	YELLOW
0605	ENGINE REV. CONTROL	GREEN
0606	SYSTEM ON LIGHT	BLUE
0606A	SYSTEM ON LIGHT	ORANGE
0607	FAULT LIGHT	PURPLE
0607A	FAULT LIGHT	BLUE
0608	CYCLE A LIGHT	BLACK
0608A	CYCLE A LIGHT	GREY
0609	CYCLE B LIGHT	BROWN
0609A	CYCLE B LIGHT	YELLOW



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
0610	CYCLE C LIGHT	ORANGE
0610A	CYCLE C LIGHT	WHITE
0611	CYCLE D LIGHT	ORANGE
0611A	CYCLE D LIGHT	RED
0612	CYCLE E LIGHT	YELLOW
0612A	CYCLE E LIGHT	GREEN
0613	BUZZER SIGNAL	GREEN
0614	CYCLE F LIGHT	BLUE
0614A	CYCLE F LIGHT	BLUE
0615	CYCLE G LIGHT	PURPLE
0615A	CYCLE G LIGHT	GREY
0L	GROUND	WHITE
0R	GROUND	WHITE
10	POWER OFF SIGNAL	GREY
101	ACCELERATION SIGNAL	BLUE
101A	SPEED UP SIGNAL OVER DIODE	BLUE
101i	SPEED UP SWITCH MULTIPLEX	BLUE
101o	SPEED UP OUTPUT FROM MODULE	BLUE
102	CHUTE TO LEFT (SFCMG) OR BUCKET OUT (CLGC 7V3) OR	GREY
102	FLASH TO PASS SIGNAL INTERNATIONAL OR ROOF CLOSED L.S. (COBRA)	GREY
102	SPARE (CL) OR RETRACT UPPER PACKER VALVE (CLT) OR	GREY
102A	SWIVEL BAR TO LEFT DOOR SIGNAL (CLGC 7V3)	GREY
102B	RETRACT PACKER MINI-MAX	YELLOW
102C	CHUTE TO LEFT OVER DIOD (SFCMG)	GREY
102D	CRUSHER PANEL RAISED SIGNAL	GREY
103	CRUSHER PANEL RAISED SENSOR or CHUTE TO RIGHT (SFCMG)	GREY
103	POWER FOR SAFETY SWIVEL BAR SWITCH (CLGC 7V3) OR ROOF OPEN L.S. (COBRA)	GREY
103A	FORWARD UPPER PACKER VALVE INTERLOCK (CLT)	GREY
103B	BUCKET OUT LIMIT SWITCH OR FORWARD PACKER MINI-MAX	BLACK OR GREEN
103C	CHUTE TO RIGHT OVER DIOD (SFCMG) OR FLOW DIVIDER SUPPLY CLGC 6V3	GREY
104	P.T.O POWER & ECU PTO ENABLE INPUT (118)	BLACK
104A	RIGHT PANIC BAR TO RIGHT PACKER CONTROL POWER	BLACK
104i	OUTSIDE RED BUTTONS SIGNAL MULTIPLEX	WHITE
105	GROUND	WHITE
105A	GROUND FOR VALVE SUPPLY OR TEMPORARY HAND BRAKE APPLIED SIGNAL	WHITE
105B	OVERRIDE INTERLOCK FOR TAG AXLE	WHITE
105C	MAIN JOYSTICK SWITCHED GND (CLA)	WHITE
105D	REMOTE JOYSTICK SWITCHED GND (CLA)	WHITE
105E	GROUND FOR R-H WIPER & CEILING FANS	WHITE
105F	GROUND FOR L-H AMBER PULSE LED	WHITE
105G	GROUND FOR R-H AMBER PULSE LED	WHITE
105H	DIGITAL GROUND REFERENCE FROM CATERPILLAR	YELLOW
105i	REAR CRUSHER PANEL RAISED L.S. SIGNAL	WHITE
105J	R-H HOPPER DOOR SIGNAL MIN-MAX OR JOYSTICK GROUND	WHITE
105K	L-H HOPPER DOOR SIGNAL MINI-MAX	WHITE
105L	CRUSHER PANEL PARKED SIGNAL MINI-MAX	WHITE
105M	GROUND FOR R-H CLUSTER (IN)	WHITE
105N	GROUND FOR LIGHTS	WHITE
105P	GROUND FOR LIGHTS	WHITE
105Q	LATCH RELAY GROUND (CF, CE)	WHITE
105R	GROUND FOR ARM SLOW SPEED RESTRICTOR (COBRA)	WHITE



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
106	RETRACT SIGNAL FOR AIR VALVE AND YELLOW BUTTON	YELLOW
106i	YELLOW BUTTON SIGNAL MULTIPLEX	YELLOW
106o	AIR VALVE RETRACT SIGNAL MULTIPLEX	GREEN
107	FORWARD SIGNAL FOR AIR VALVE AND GREEN BUTTON	GREEN
107i	GREEN BUTTON SIGNAL MULTIPLEX	GREEN
107o	AIR VALVE FORWARD SIGNAL MULTIPLEX	ORANGE
108	LIMIT SWITCH FULLY RETRACT N.O	GREY
108A	CRUSHER ENABLE (SF) OR HAND SENSOR SIGNAL (MINIMAX)	ORANGE
108B	PACKER RETRACTED AND CAB SW. ENABLED SIGNAL (MINIMAX)	ORANGE
109	SPARE (CL) OR SWITCHED GROUND FOR INNER BOOM PARKED PROX (SFCMG)	GREY
109A	FLOW DIVIDER ENABLE SIGNAL (CLT)	GREY
109B	BODY SWITCH BUILT UP SIGNAL	GREY
109C	TAILGATE SWITCH BUILT UP SIGNAL	GREY
109o	PACKER VALVE OUTPUT SUPPLY MINI-MAX	GREY
11	TPS GROUND OR BODY LIGHT GROUND	WHITE
110	OR PARKING PROX SIGNAL SFCMG	BLACK
110	RIGHT CONTROL POWER CL	BLACK
110A	TIPPER ENABLE BUTTON SIGNAL	BLACK
110B	TIPPER HANDLE SIGNAL	BLACK
110i	RIGHT PACKER CONTROL SELECTOR SWITCH MULTIPLEX	BLACK
111	LEFT CONTROL POWER	BLACK
111i	LEFT PACKER CONTROL SELECTOR SWITCH MULTIPLEX	BLACK
111o	LEFT PACKER CONTROL SWITCHES ENABLED MULTIPLEX	BLACK
112	LEFT PANIC BAR TO LEFT CONTROL POWER	RED
112	OR ALLISON PTO ENABLE OUTPUT	RED
112A	BUCKET 6V3 FULLY DOWN L.S. SIGNAL	RED
112B	FRONT CURSHER PANEL RAISED L.S. SIGNAL	RED
112C	CRUSHER PANEL PACKED SIGNAL	RED
112D	SENSOR ON GRIPPER ANGLE MINI-MAX	RED
112E	SENSOR ON GRIPPER EXTENSION MINI-MAX	RED
112F	TIPPER FULLY DOWN SIGNAL	RED
113	LEFT TO RIGHT CONTROL POWER	RED
114	OR ALLISON NEUTRAL SIGNA OUTPUT	BLACK
114	P.T.O. POWER FROM PRESSURE SWITCH OR FREE WIRE ON LEFT PACKER CONTROL	BLACK
115	FREE WIRE ON RIGHT PACKER CONTROL	ORANGE
116	PROTECTED POWER INTO PACKER MODULE	ORANGE
117	CAB CONTROL TO LEFT PANIC BAR POWER	RED
117A	SIGNAL BETWEEN L-H & R-H PANIC BAR	RED
118	OR ALLISSON PTO INPUT	GREY
118	POWER FUSE #2 (WARNING SIGNAL)	GREY
119	BODY RAISED & TAILGATE UNLCOKED SIGNAL	BROWN
119A	BODY RAISED/TAILGATE UNLOCKED SIGNAL	BROWN
119B	BODY RAISED SENSOR	BROWN
119C	BODY RAISED SENSOR GROUND	BROWN
119D	BODY RAISED & TAILGATE UNLOCK SIGNAL OVER DIODE	BROWN
119E	TAG WARNING LIGHT & BUZZER	BROWN
119i	BODY RAISED INPUT MULTIPLEX	BROWN
119o	BODY RAISED & TAILGATE UNLOCKED ALARM (SOUND & LIGHT)	BROWN
11A	SPECIAL	WHITE
11GAA	CAB GROUND INTERNATIONAL	WHITE
12	POWER ON SIGNAL	RED



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
120	POWER FUSE #4 (WORK LIGHT)	RED
121	TAILGATE FULLY OPENED SIGNAL	BROWN
121A	INTERLOCK BODY RAISED/AIR RIDE SUSPENSION	BROWN
121B	L-H DOOR SENSOR L.S.	BROWN
121C	R-H DOOR SENSOR L.S.	BROWN
121D	TAILGATE UNLCOKED NEGATIVE	BROWN
121i	TAILGATE FULLY OPENED INPUT MULTIPLEX	BROWN
121o	TAILGATE FULLY OPENED OUTPUT MULTIPLEX	BROWN
122	STOP SIGNAL	RED
122A	CONDOR TAG AXLE REVERSE INTERLOCK IN	RED
122B	CONDOR TAGE AXLE REVERSE INTERLOCK OUT	RED
122i	BRAKE APPLIED PRESS SWITCH SIGNAL MULTIPLEX	RED
122o	STOP LIGHT OUTPUT MULTIPLEX	RED
123	POWER BREAKER #3 (PTO & SPEED UP POWER)	RED
123A	HYDRAULIC FILTER BLOCKED SIGNAL	RED
123B	PUMP SHUTDOWN INTERLOCK	RED
123C	POSITIVE TAILGATE POWER BLEED	RED
124	SPEED UP SIGNAL POWER OUTPUT	BLACK
125	P.T.O SWITCH TO CAB CONTROL	RED
125A	RED BUTTON SIGNAL ENABLE	RED
125B	LOW HYDRAULIC OIL SIGNAL	RED
125C	125A AND 125B MERGE TRUE DIODE	RED
125i	P/T/O/ SWITCH SIGNAL MULTIPLEX	RED
126	SPEED UP SIGNAL POWER OUTPUT	BLUE
126A	POSITIVE SPEED UP OUTPUT #1 MULTIPLEX	BLUE
126B	POSITIVE SPEED UP OUTPUT #2 MULTIPLEX	BLUE
126C	NEGATIVE SPEED UP OUTPUT #1 MULTIPLEX	BLUE
126D	NEGATIVE SPEED UP OUTPUT #2 MULTIPLEX	BLUE
126i	SPEED UP INHIBITOR SWITCH MULTIPLEX	BLUE
127	POWER MULTI-CYCLE MODULE	RED
127A	MULTICYCLE CONFIG. SWITCH MINI-MAX	RED
128	ECU GROUND (161-B)	GREY
129	ECU INPUT PACK ENABLE (117)	GREY
12L	FOG LIGHT	BLUE
12R	FOG LIGHT	BLUE
13	SPECIAL	WHITE
130	CAB CONTROL POWER	BLACK
130A	JOYSTICK ENABLE SIGNAL	BLACK
130B	OVER RELAY	BLACK
131	AUTO-NEUTRAL OPTION, FOOT VALVE TO RELAY N.O.	GREY
131i	AUTO-NEUTRAL FOOT BRAKE PRESS. SW. SIGNAL MULTIPLEX	GREY
132	AUTO-NEUTRAL OPTION, POWER TO RELAYS	GREY
132i	AUTO-NEUTRAL SWITCH SIGNAL MULTIPLEX	GREY
132o	AUTO-NEUTRAL LIGHT OUTPUT MULTIPLEX	GREY
133	RIGHT TO LEFT PANIC BAR POWER	RED
134	JUMPER IF NO PANIC BAR	RED
135	CEILING FAN SUPPLY	BLACK
136	POWER LIMIT SWITCH RETRACT	ORANGE
137	LIMIT SWITCH FULLY RETRACT N.C. (PACKER RETRACT STOP SIGNAL)	YELLOW
138	ECU NEUTRAL SIGNAL (114)	GREY
139	BACK UP SIGNAL	GREY



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
139A	BACK UP ALARM ONLY	GREY
139B	BACKUP AND PTO SIGNAL	GREY
139o	REVERSE GEAR SIGNAL	GREY
14	POWER OFF SIGNAL	GREY
140	R-H DRIVING POST ENABLED SIGNAL	RED
140A	L-H DRIVING POST ENABLED SIGNAL	RED
141	POWER BREAKER #1 (PACKER MODULE & PTO LOGIC)	RED
141A	BODY RAISED INHIBIT IF ARM OUT TIMER ON	RED
141B	BODY RAISED INHIBIT SOLENOID	RED
141C	DEAD MAN SIGNAL	RED
141D	OVERRIDE CHUTE SWITCH SIGNAL (SFCMG)	RED
141E	BODY RAISED INHIBIT SENSOR 45 DEGREE	RED
141F	DEAN MAN R-H DRIVING POSITION SIGNAL	RED
141G	TAG AXLE SWITCH	BLACK
141H	BODY RAISED INHIBITOR SIGNAL SWITCHED BY RELAY	RED
141i	DEAD MAN SIGNAL	RED
141i	OR TAG AXLE INTERLOCK SIGNAL	RED
142	WORK LIGHT	PURPLE
142A	SYNCHRO STROBE PETERSON	PURPLE
142i	WORK LIGHT SWITCH MULTIPLEX	PURPLE
142o	WORK LIGHT OUTPUT MULTIPLEX	PURPLE
143	STROBE LIGHT	PURPLE
143A	SYNCHRO STROBE CANAL A	PURPLE
143B	SYNCHRO STROBE CANAL B	PURPLE
143i	STROBE LIGHT SWITCH MULTIPLEX	PURPLE
143o	STROBE LIGHT SWITCH MULTIPLEX	PURPLE
144	AMBER FLASHING LIGHT	PURPLE
145	AMBER FLASHING LIGHT	PURPLE
145A	AMBER FLASHING LIGHT SYNCHRONOUS	PURPLE
146	BACK UP SIGNAL FOR GLOBAL EYES OR TAG AXLE	GREY
146A	BACK UP SIGNAL FOR TAG AXLE OVER DIODE	GREY
146B	BACK UP SIGNAL FOR TAG AXLE OVER INTERLOCK	GREY
146o	OR BRAKE SINGAL FOR STEERABLE TAG AXLE	GREY
147	PTO POWER OUTPUT	BLACK
147A	UPPER RIGHT TAILGATE DOOR PROX POWER (CLT)	BLACK
147B	UPPER LEFT TAILGATE DOOR PROX POWER (CLT)	BLACK
148	POWER TAKE OFF PRESSURE SWITCH	BLUE
149	ECU P.T.O ENABLE (112)	GREY
14H	WIPER SPEED COMMON	BLACK
15	SPECIAL	WHITE
150	ECU NEUTRAL PACKER INPUT (153)	GREY
151	POWER MULTI-CYCLE OPTION	RED
152	POWER AMBER FLASHING RELAY	PURPLE
153	ACCELERATION SOLENOID GROUND FROM NEUTRAL RELAY	WHITE
153A	NEUTRAL SIGNAL OVER DIODE (CLT)	WHITE
153B	TRANSMISSION IN NEUTRAL POSITION	WHITE
154	POWER FUSE #5 (AMBER & STORAGE)	RED
154A	LEFT MIRROR WORK LIGHT	BLACK
154B	SUPPLY FOR BEACON RELAY	BLACK
155	+9V REGULATED FROM AUTODUMP CONTROL MODULE	RED
156	AUTO NEUTRAL OPTION, FOOT VALVE TO COIL RELAY	BLACK



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
156	POWER FUSE #3 (PROX #5 POWER)	BLACK
156A	AUTODUMP PARKING INPUT SUPPLY	RED
156B	ARM RELAY OUTPUT TO BLOCK FUSE	RED
156C	HOPPER DOOR (L-H) CLOSED SIGNAL	RED
156D	SPLIT CART SELECTED SIGNAL	RED
156E	SUPPLY FOR PARKED ARM SENSOR	RED
157	ALLISON VEHICLE SPEED SIGNAL	RED
157	NAVISTAR ECM FUNCTION SET (1500 RPM) (56B)	RED
157	POWER FUSE #1 (GRIPPER POWER)	RED
158	NAVISTAR ECM FUNCTION ENABLE PRESET (97CB)	RED
158	POWER FUSE #4 (JOYSTICK POWER)	RED
158A	LATCH RELAYS FEED	RED
158B	SUPPLY FOR PWM AUTODUMP	RED
158C	JOYSTICK SELECTOR FEED (CLA)	RED
158D	JOYSTICK IN PLACE SENSOR SIGNAL	RED
158E	AUXILARY JOYSTICK SUPPLY SIGNAL	RED
158F	TIMER SIGNAL FOR GRIPPER OVERRIDE	RED
158G	TIMER SIGNAL FOR AUTOCLOSE GRIPPER OVERRIDE	RED
158H	OVER DIODE	RED
159	NAVISTAR ECM VPTO (97DF)	GREEN
16	POWER ON SUPPLY	RED
160	SUPPLY FOR RELAY 345 (CF)	RED
161	R-H WIPER SUPPLY INTERNATIONAL	BLACK
162	TAILGATE UNLOCKED INPUT MULTIPLEX	BROWN
163	IGNITION SIGNAL MULTIPLEX	BLUE
164	AUX. ACCESSORIES SUPPLY MULTIPLEX	RED
165	RAISE BODY OR RAISE OPTIONAL KANN CONTAINER	BLACK
165A	RAISED BODY ENABLE	BLACK
166	LOWER BODY OR LOWER OPTIONAL KANN CONTAINER	GREY
166A	LOWER SIGNAL FROM BODY SWITCH	GREY
167	OVERSPEED SIGNAL FROM ALISSON	GREY
167A	BUZZER SIGNAL	GREY
167A	OR ARM OUT AND VEHICLE OVER 6 KMPH	GREY
167B	VEHICLE OVERSPEED OVER DIODE	GREY
168	PACKER MODULE POWER (EXPERT T ONLY)	RED
169	CONSOLE SWITCHES POWER	BLACK
17	LEFT TURN SIGNAL	YELLOW
170	LEFT TAILGATE SOLENOID VALVE (CLT) OR UPPER DOOR	ORANGE
1708-	J1708 LOW SIDE SIGNAL	ORANGE
1708+	J1708 HIGH SIDE SIGNAL	GREEN
170A	UPPER DOOR UNLOCKED SIGNAL (CLT)	ORANGE
170B	UPPER DOOR LOCKED SIGNAL (CLT)	ORANGE
171	RIGHT TAILGATE SOLENOID VALVE (CLT) OR SWING DOOR	ORANGE
171A	SWING DOOR UNLOCKED SIGNAL (CLT)	ORANGE
171B	SWING DOOR LOCKED SIGNAL (CLT)	ORANGE
172	TAILGATE SOLENOID VALVE (CLT) OR TAILGATE	ORANGE
172A	TAILGATE UNLOCKED SIGNAL (CLT)	ORANGE
172B	TAILGATE LOCKED SIGNAL (CLT)	ORANGE
173	FLIP TO HOPPER SIGNAL	BLUE
173A	RELAY LINK SIGNAL CAMERA SELECT	BLUE
174	AUTOPACK SWITCH SIGNAL	PURPLE



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WIRE#	DESCRIPTION	COLOR
175	L0H TAILGATE ENABLE SOLENOID	YELLOW
175A	TAILGATE ENABLED SWITCH SIGNAL	YELLOW
176	R-H TAILGATE OR SWINGDOOR ENABLED SOLENOID	GREEN
177	ARM RETAINING HOOK ENGAGED	GREEN
178	CRUSHER PANEL LOWERED SIGNAL	PURPLE
179	TIPPER RAISED ALARM	PURPLE
18	RIGHT TURN SIGNAL	GREEN
180	NO CONTACT LEFT CHUTE PROX SIGNAL (SFCMG)	YELLOW
181	NO CONTACT RIGHT CHUTE PROX SIGNAL (SFCMG)	BLUE
181A	CONTAINER SELECTOR SW. SIGNAL	BLUE
183	NO CONTACT LEFT CHUTE PROX SIGNAL (SFCMG)	BLACK
184	NO CONTACT RIGHT CHUTE PROX SIGNAL (SFCMG)	GREEN
185	OUTPUT TRANSPONDER (SFCMG)	GREY
186	TRIG SIGNAL (SFCMG)	RED
187	NOT ON LEFT, NOT ON RIGHT SIGNAL (SFCMG)	PURPLE
188	MERGE OF 102 & 103 ON CLSF CMG	GREY
189	TRAVELING INTERLOCK ON CLSF CMG	RED
190	12V SUPPLY TO COIL SELECTOR VALVE (CLCG)	RED
190	LEFT CHUTE INTERLOCK ON CLSF CMG	RED
191	CHUTE ENABLE SIGNAL (CLGC)	RED
192	EXTENSION CYLINDER ENABLE SIGNAL	BLACK
193	DUMP GARBAGE SELECTED	GREEN
194	GLASS COMP. DUMP SELECTED	GREEN
195	OPEN SIGNAL FROM TAILGATE	BLUE
195L	OPEN SIGNAL FROM LEFT TAILGATE	BLUE
195R	OPEN SIGNAL FROM RIGHT TAILGATE	BLUE
196	CLOSE SIGNAL FROM TAILGATE	WHITE
196L	CLOSE SIGNAL FROM LEFT TAILGATE	WHITE
196R	CLOSE SIGNAL FROM RIGHT TAILGATE	WHITE
197	RAISE CRUSHER PANEL SIGNAL	BLACK
198	LOWER CRUSHER PANEL SIGNAL	GREY
198	REEL LOCK ON SWITCH	GREY
199	RAISE TIPPER (MINI-MAX, R-H SIDE)	GREEN
199A	LOWER TIPPER (MINI-MAX, R-H SIDE)	RED
199B	199 OVER DIODE, R-H TIPPER	RED
199C	199 OVER DIODE, L-H TIPPER	RED
19L	STOP SIGNAL	RED
19R	STOP SIGNAL	RED
20	BUILT-UP SIGNAL	BLUE
200	DRIVER SIGNAL	GREY
2002	ACTIVE LIGHT DRIVING RIGHT POSITION	RED
2002B	VEHICLE SPEED LIMITATION (SF EURO)	ORANGE
201	SIGNAL SELECTORPACK SWITCH	BLACK
202	TAG DOWN SIGNAL	YELLOW
203	ARM OUT & TAILGATE OPEN	BLACK
204	PRESSURE SWITCH CLOSE GRIPPER CLAH	PURPLE
205	SPARE 1 (MINIMAX)	GREY
206	SPARE 2 (MINIMAX)	GREY
207	SPARE 3 (MINIMAX)	GREY
208	LOW AIR PRESSURE (AIR BOX)	RED
209	AUTO EJECT SWITCH MINIMAX	BLUE



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
20L	TAIL SIGNAL	BROWN
20R	TAIL SIGNAL	BROWN
210	L-H DOOR OPENED SENSOR (MINIMAX)	RED
211	R-H DOOR OPENED SENSOR (MINIMAX)	RED
211A	R-H UPPER HOPPER DOOR SENSOR (MINIMAX)	RED
212	CHUTE ENABLE SIGNAL (GND)	WHITE
213	GRIPPER SENSOR (MINIMAX)	YELLOW
213L	LEFT GRIPPER SENSOR (MINIMAX)	YELLOW
213R	RIGHT GRIPPER SENSOR (MINIMAX)	YELLOW
214L	PACKER SIGNAL PROPORTIONAL	GREEN
214R	PACKER SIGNAL PROPORTIONAL	GREEN
215	CRUSHER PANEL RAISED SENSOR or CHUTE TO RIGHT (SFCMG)	ORANGE
216A	BODY PRESSURE OIL FILTER CLOGGED	PURPLE
216Ai	BODY PRESSURE OIL FILTER CLOGGED	PURPLE
216B	ARM PRESSURE OIL FILTER CLOGGED	PURPLE
216Bi	ARM PRESSURE OIL FILTER CLOGGED	PURPLE
217	OIL TEMPERATURE SIGNAL	GREEN
217A	TIPPER LOWERED SENSOR	GREEN
217i	OIL TEMPERATURE SIGNAL	GREEN
217L	RAISE L-H TIPPER (MINIMAX)	GREEN
217R	RAISE R-H TIPPER (MINIMAX)	GREEN
218A	TIPPER RAISED SENSOR	RED
218L	LOWER L-H TIPPER (MINIMAX)	RED
218R	LOWER R-H TIPPER (MINIMAX)	RED
219	BUZZER	BROWN
21H	SPECIAL	GREEN
21L	BACK UP SIGNAL	BLACK
21R	BACK UP SIGNAL	BLACK
220	SPARE	GREY
221	SPARE	GREY
222	SPARE	GREY
223	SPARE	GREY
224	SPARE	GREY
225	SPARE	GREY
226	SPARE	GREY
227	SPARE	GREY
228	SPARE	GREY
229	SPARE	GREY
23	TAIL SIGNAL M2	BLACK
230	SPARE	GREY
231	SPARE	GREY
2311-3	SPECIAL	WHITE
2312-3	SPECIAL	WHITE
232	SPARE	GREY
233	SPARE	GREY
234	SPARE	GREY
235	MID HEIGHT ARM SIGNAL (GRIPPER AUTOCLOSE)	BROWN
235B	MID HEIGHT ARM SIGNAL (CAMERA SWITCHING)	BROWN
236	ARM SIGNAL	BROWN
237	PUMP CUSHION FOR ARM MINIMAX	PURPLE
238	SPARE CL	GREY



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WIRE#	DESCRIPTION	COLOR
239	SPARE CL	GREY
2411-2	SPECIAL	WHITE
2415-2	SPECIAL	WHITE
25	IDLE SWITCH N.C. ON TPS	BLUE
250	UPPER LIMIT SWITCH (RIGHT-HAND SCALE)	BROWN
251	LOWER LIMIT SWITCH (RIGHT-HAND SCALE)	BROWN
252	AIR WEIGH ALARM 1	YELLOW
253	AIR WEIGH ALARM 2	YELLOW
25A	SPECIAL	GREY
260i	CHASSIS MODULE SPARE INPUT #1	BROWN
260o	CHASSIS MODULE SPARE OUTPUT #1	BROWN
261i	CHASSIS MODULE SPARE INPUT #2	BROWN
261o	CNG SOLENOID VALVE	GREY
262	SPECIAL	GREY
262i	SPECIAL	GREY
262o	SPECIAL	GREY
263i	SPECIAL	GREY
263o	SPECIAL	GREY
264i	SPECIAL	GREY
264o	SPECIAL	GREY
265i	SPECIAL	GREY
265o	SPECIAL	GREY
266i	SPECIAL	GREY
266o	SPECIAL	GREY
267i	SPECIAL	GREY
267o	SPECIAL	GREY
268i	SPECIAL	GREY
268o	SPECIAL	GREY
269i	SPECIAL	GREY
269o	SPECIAL	GREY
27	IDLE SWITCH N.O. ON TPS	GREEN
270i	SPECIAL	GREY
270o	SPECIAL	GREY
275	IGNITION SIGNAL MULTIPLEX	BLUE
28	IGNITION ON NAVISTAR'S CLUSTER	RED
281	LIGHTING SPARE	PURPLE
282	LIGHTING SPARE	PURPLE
283	LIGHTING SPARE	PURPLE
284	LIGHTING SPARE	PURPLE
285	LIGHTING SPARE	PURPLE
286	LIGHTING SPARE	PURPLE
287	LIGHTING SPARE	PURPLE
288	LIGHTING SPARE	PURPLE
289	LIGHTING SPARE	PURPLE
290	LIGHTING SPARE	PURPLE
291	LIGHTING SPARE	PURPLE
292	LIGHTING SPARE	PURPLE
2960-7	SPECIAL	WHITE
29A	DASH LIGHT (DIMMER)	GREY
3	TPS 5 VDC SUPPLY (FROM ENGINE)	RED
301	VALVE COMPACTOR EXTENSION	YELLOW



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
302	RETRACT PACKER SOLENOID (CF)	YELLOW
302A	LATCH OPTION CLOSE TAILGATE	YELLOW
303	OPEN ROOF SOLENOID (CF)	ORANGE
304	CLOSE ROOF SOLENOID (CF) OR	ORANGE
305	GENERAL BATTERY GROUND (CF) OR	WHITE
305A	OVERRIDE SWITCH SIGNAL (CF)	WHITE
306	CLOSE TAILGATE SOLENOID (CF)	ORANGE
307	BUILT UP SOLENOID (CF)	BLUE
307A	BUILT UP SIGNAL FROM FORK WIDTH SWITCH (CF) OR	BLUE
307C	BUILT UP SOLENOID OUTPUT FROM MULTIPLEX	BLUE
307o	BUILT UP SOLENOID OUTPUT FROM MULTIPLEX	BLUE
308	MONITOR SUPPLY	RED
309	N.O. CONTACT ON LIMIT SWITCH PACKER FULLY RETRACT	ORANGE
309	PARKING BRAKE SIGNAL, FREIGHTLINER	ORANGE
30A	ENGINE OIL TEMPERATURE SIGNAL	BROWN
310	COMMUN LIMIT SWITCH PACKER FULLY RETRACT	ORANGE
311	N.O. CONTACT ON LIMIT SWITCH PACKER FULLY EXTEND (CF) OR	YELLOW
311Ai	PACKER HALF EXTEND (MM FEL)	YELLOW
312	COM on FULLY EXTEND LIMIT SWITCH	ORANGE
312	HOPPER DOOR LIGHT	ORANGE
313	N.O. CONTACT ON LIMIT SWITCH TAILGATE UNLCOK (CF) OR	BROWN
313A	OUTPUT TAILGATE UNLOCK	BROWN
313i	SPECIAL	BROWN
314	POSITIVE COMMUN FOR PROX SWITCH	RED
315	NO CONTACT ON LIMIT SWITCH TAILGATE OPENED	BROWN
316	NO CONTACT ON LIMIT SWITCH ROOF OPENED	BROWN
317	NO CONTACT ON LIMIT SWITCH HOPPER DOOR OPENED	RED
317A	HOPPER DOOR OPEN SIGNAL	RED
318	COM ON LIMIT SWITCH HOPPER DOOR OPENED	RED
319	OPEN TAILGATE SIGNAL	ORANGE
320	CLOSE TAILGATE SIGNAL	ORANGE
320	ROOF CLOSED SIGNAL (CF)	ORANGE
321	AUTO DUMP MODULE, MAIN SUPPLY (CF)	BLACK
322	AMBER FLASHING LIGHT (CF)	BLACK
323	AMBER FLASHING LIGHT (CF)	BLACK
323	HOPPER LIGHT	PURPLE
324	FRONT WORKING LIGHT (CF)	BROWN
324A	FRONT WORK LIGHT (OPTIONAL)	BROWN
324B	FRONT WORK LIGHT (OPTIONAL)	BROWN
325	STROBE LIGHT	PURPLE
326	MIRROR WORKING LIGHT	BROWN
327	HOPPER WORK LIGHT	BROWN
328	HOPPER LIGHT SUPPLY (CF)	RED
329	STROBE & AMBER SUPPLY (CF)	RED
330	FORWARD SIGNAL (1)	GREEN
331	PTO POWER OUTPUT	RED
331A	POWER FOR CONSOLE PACKER SWITCHES	RED
331B	POWER FOR OUTSIDE REMOTE PACKER SWITCHES	RED
331C	ARM RAISED SIGNAL (CF)	RED
332	MAIN AIR SUPPLY	YELLOW
332	YELLOW BUTTON SIGNAL	YELLOW



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
333	GREEN BUTTON SIGNAL	GREEN
334	PACKER FULLY RETRACTED	ORANGE
334A	334 OVER DIODE	ORANGE
334B	CLOSE TAILGATE ALLOWED PACKER ON	ORANGE
335	INPUT POWER FOR PACKER MODULE	RED
336	PTO SWITCH & EMERGENCY RED BUTTON	RED
336A	POWER LOOP FOR OUTSIDE EMERGENCY RED BUTTON	RED
337	PTO SWITCH & FUSE	RED
338	SPECIAL	RED
339	SWITCHED BACK UP SIGNAL FOR ADDITIONAL BACK UP LIGHTS	GREY
340	PUMP HIGH PRESSURE	RED
340i	PUMP HIGH PRESSURE	RED
341	PUMP LOW PRESSURE	GREEN
341i	PUMP LOW PRESSURE	GREEN
342	FLOW DIVIDER ENABLE (WITKE RESIDENTIAL CONTAINER)	GREY
343	STROBE LATERAUX	PURPLE
344	SPECIAL	PURPLE
345	SIGNAL ARM UP AND JOYSTICK SOLENOID	BLACK
345A	POWER FOR JOYSTICK AND AUTODUMP MODULE	BLACK
345B	POWER FOR CAB JOYSTICK (CF)	BLACK
345C	POWER FOR OUTSIDE REMOTE JOYSTICK (CF)	BLACK
345D	POWER FOR LEFT-H JOYSTICK (CF)	BLACK
345E	POWER FOR RIGHT-H JOYSTICK (CF)	BLACK
345F	"A" FRAME RAISED SIGNAL (CF)	BLACK
345G	JOYSTICK INHIBITOR SIGNAL	BLACK
346	SPARE 1	PURPLE
346i	L-H TIPPER LOWER POSITION	PURPLE
347	SPARE 2	PURPLE
347A	ARM PARKED SIGNAL (CF)	PURPLE
347i	R-H TIPPER LOWER POSITION	PURPLE
348	FORKS OVERHEAD SIGNAL, CF	PURPLE
348o	FORKS OVERHEAD WARNING LIGHT 9CF)	PURPLE
349	SPARE 4	PURPLE
35	ENGINE OIL PRESSURE (INTERNATIONAL)	ORANGE
350	SPARE 5	PURPLE
351	BACK UP SIGNAL FROM CONSOLE (CF) OR	BLACK
351a	BACK UP SUPPLY FOR MANY BACK UP LIGHTS	BLACK
354	FORK INCREASE WIDTH, (CF)	PURPLE
355	FORK DECREASE WIDTH (CF)	PURPLE
356	SPEED UP OUTPUT	BLACK
356a	SPEED UP SWITCH	BLACK
357	NEUTRAL SWITCH	BLACK
358	SPARE 8	GREY
359	SPARE 9	GREY
360	SPARE 10	GREY
361	SPARE 11	GREY
362	AUTO ROOF OPENING SW, CF	BLUE
363	SPECIAL	GREEN
364	SPECIAL	ORANGE
364o	PACKER FULLY RETRACT INDICATOR	ORANGE
366	SPARE	GREY



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
366i	PACKER PRESSURE SWITCH	YELLOW
366o	SPECIAL	GREY
367	AIR WEIGH SYSTEM	GREY
369	ADDITIONAL SWITCH	GREY
370	SPECIAL	GREY
371	SPECIAL	GREY
372	SPECIAL	GREY
373	SPECIAL	GREY
374	SPECIAL	GREY
375	SPECIAL	GREY
376	SPECIAL	GREY
377	SPECIAL	GREY
38B	HAZARD SIGNAL TO CHASSIS (M2)	BROWN
38BL	HAZARD SIGNAL FROM TURN SIGNAL SIGNAL (M2)	BROWN
38L	LEFT TURN SIGNAL M2	YELLOW
38R	RIGHT TURN SIGNAL M2	GREEN
3C	TPS 5 VDC SUPPLY (CENTER)	RED
3L	TPS 5 VDC SUPPLY (LEFT)	RED
3R	TPS 5 VDC SUPPLY (RIGHT)	RED
4	ENGINE REV. NEG. SIGNAL	RED
40	LOW AIR SIGNAL INTERNATIONAL	BLUE
400	SPECIAL	GREEN
401	SPECIAL	GREEN
402	SLIDING HOOK RETRACT SENSOR (MM)	YELLOW
403	SLIDING HOOK EXTEND SSENSOR (MM)	YELLOW
404	BOX PIVOT CYLINDER SENSOR (MM)	ORANGE
405	BOX PICKING ZONE SENSOR (MM)	ORANGE
408	LEFT BOX LOCK SENSOR (MM)	GREY
409	RIGHT BOX LOCK SENSOR (MM)	GREY
410	BOX RAMP FOR FLOATING PIVOT SENSOR (MM)	BLACK
411	DUAL PRESSURE	BLACK
412	BOX PIVOT DECEL	BLUE
420	SLIDING HOOK EXTEND COIL (MM)	GREY
421	SLIDING HOOK RETRACT COIL (MM)	GREY
422	FLOATING PIVOT COIL (MM)	GREY
423	DUAL PRESSURE COIL (MM)	GREY
424	PIVOT EXTEND COILD (MM)	GREY
425	PIVOT RETRACT COIL (MM)	GREY
426	GATE UP COIL (MM)	GREY
427	GATE DOWN COIL (MM)	GREY
428	BOX LOCK COIL (MM)	GREY
429	BOX UNLCOCK COIL (MM)	GREY
430	SPECIAL	
431	SPECIAL	
432	SPECIAL	
433	SPECIAL	
434	SPECIAL	
435	SPECIAL	
46	SPECIAL	ORANGE
473	SWITCH COMMON RETURN (M2)	BROWN
473A	TURN SIGNAL RESISTIVE SIGNAL	BROWN



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
473AL	LEFT TURN SIGNAL RESISTIVE LADDER	BROWN
473B	HIGH BEAM/WASHER RESISTIVE SIGNAL	BROWN
473BL	LEFT HIGH BEAM/WASHER RESISTIVE LADDER	BROWN
473C	WIPER RESISTIVE SIGNAL	BROWN
473CL	LEFT WIPER RESISTIVE LADDER	BROWN
473L	SWITCH COMMON RETURN TO LEFT TURN SIGNAL SWITCH (M2)	BROWN
473R	SWITCH COMMON RETURN TO RIGHT TURN SIGNAL SWITCH (M2)	BROWN
504	P.T.O. POWER & ECU PTO ENABLE INPUT (118) OR	BLACK
505	GROUND	WHITE
510	TAILGATE FULLY OPENED (OPTIONAL)	ORANGE
511	SIGNAL FOR JOYSTICK SOLENOID SELECTION	ORANGE
513	POWER FOR DRIVING SIDE LIGHT	RED
513A	LEFT DRIVING SIDE ENABLED LIGHT	GREEN
518	POWER FUSE #2 15A. (BACK UP SIGNAL)	RED
519	BODY RAISED/TAILGATE UNLOCKED SIGNAL/BUCKET OR ROOF UP	BROWN
52	HEADLIGHT HI-BEAM SIGNAL INTERNATIONAL	YELLOW
520	POWER FUSE #3 10A. (WORK LIGHT)	RED
521	SPARE WIRE #1 TS	BLUE
522	SPARE WIRE #2 TS	BLUE
526	ACCELERATION SIGNAL FROM MAXIMIZER PRESSURE SWITCH	WHITE
526A	OR SPEED UP MACK OVER DIODE	WHITE
526A	SPEED UP SWITCH FROM REMOTE CONTROLLER (CF)	WHITE
526B	KANN COMPACTOR ENABLED (TS)	WHITE
526C	DEAD MAN SIGNAL OVER DIODE	WHITE
526D	CONSOLE SPEED UP SWITCH SIGNAL (CF)	WHITE
527	SPEED UP MACK	WHITE
527A	SPEED UP MACK, WIRE A	WHITE
527B	SPEED UP MACK, WIRE B	BLACK
527C	SPEED UP MACK, WIRE C	BLACK
528	ECU INPUT GROUND (161-B)	GREY
529	ECU INPUT PACK ENABLE (117)	GREY
52A	HEADLIGHT HI-BEAM SWITCH INTERNATIONAL	YELLOW
531	AUTO-NEUTRAL OPTION, FOOT VALVE TO RELAY N.O.	GREY
531A	L-H AUTO NEUTRAL SERVICE PRESS SWITCH	GREY
532	AUTO-NETURLA OPTION, POWER TO RELAYS	GREY
537	STOP SIGNAL	RED
538	ECU NEUTRAL SIGNAL (114)	GREY
539	BACK UP SIGNAL	BLACK
54	MARKER SIGNAL	BROWN
540	POWER FOR OPTIONAL LEFT WORK LIGHT	RED
541	POWER BREAKER #1 15A. (PTO, SPEED UP) OR	RED
542	WORK LIGHT	PURPLE
543	STROBE LIGHT	PURPLE
544	AMBER FLASHING LIGHT	PURPLE
545	AMBER FLASHING LIGHT	PURPLE
546	MAIN POWER FOR FUSE BLOCK	RED
547	POWER TO P.T.O. & JOYSTICK SOLENOID	BLACK
547	REGEN VALVE	BLACK
548	POWER TAKE OFF PRESSURE SWITCH	GREEN
549	ECU P.T.O. ENABLE (112)	GREY
550	ECU NEUTRAL PACKER INPUT (153)	GREY



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
551	POWER FUSE #5 , 15A (BACK UP LIGHT AND ALARM)	RED
552	POWER AMBER FLASHING RELAY	PURPLE
553	NEUTRAL SIGNAL FOR BIMBA (GROUND)	WHITE
554	POWER FUSE #4 15A. (STOBE & AMBER)	RED
555	POWER FOR OPTIONAL BACK UP LIGHT	RED
556	AUTO NEUTRAL OPTION, FOOT VALVE TO COIL RELAY	BLACK
556A	AUTO NEUTRAL PRESSURE SWITCH ON TWO WAY CHECK VALVE	BLACK
557	SET SIGNAL FOR NAVPAK ENGINE	BLACK
558	ENABLE PRESET SIGNAL FOR NAVPAK ENGINE	RED
559	V PTO SIGNAL FOR NAVPAK ENGINE	GREEN
56	LEFT TURN SIGNAL	YELLOW
560	REMOTE PTO SIGNAL FOR VOLVO OR CUMMINS ENGINE	BLACK
561	INPUT #1 SIGNAL FOR CATERPILLAR ENGINE	BLACK
562	COMMUN #2 SIGNAL FOR CATERPILLAR ENGINE	WHITE
563	FEED FOR RESUME SPEED ON INTER 2004 ENGINE	BLACK
564	RESUME SPEED SIGNAL INTER 2004	BLUE
56A	LEFT TURN SIGNAL INDICATOR	YELLOW
57	RIGHT TURN SIGNAL	GREEN
570	SEPARATOR #1 UNLOCKED SIGNAL	BROWN
571	SEPARATOR #2 UNLOCKED SIGNAL	BLUE
572	SEPARATOR #3 UNLOCKED SIGNAL	YELLOW
573	SEPARATOR #4 UNLOCKED SIGNAL	BLACK
574	SEPARATOR #5 UNLOCKED SIGNAL	GREEN
575	SPARE TOP SELECT	GREY
576	SPARE TOP SELECT	GREY
57A	RIGHT TURN SIGNAL INDICATOR	GREEN
58	CLEARANCE SIGNAL INTERNATIONAL	BROWN
58T	SPECIAL	BROWN
600	FUEL GAGE SIGNAL	GREY
601	MAIN FUEL TANK SENDER SIGNAL	BLACK
602	AUX. FUEL TANK SENDER SIGNAL	BLACK
603	FUEL SELECTOR VALVE MOTOR (-) OR	WHITE
604	FUEL SELECTOR VALVE MOTOR (+)	BLACK
62	PANEL LIGHT SUPPLY INTERNATIONAL	BLUE
68	TAIL SIGNAL INTERNATIONAL	BLACK
7	BACKUP SIGNAL	GREY
70	STOP LIGHT SIGNAL INTERNATIONAL	RED
71	BACK UP SIGNAL INTERNATIONAL	ORANGE
78D	SPECIAL	GREY
78E	SPECIAL	GREY
78F	SPECIAL	GREY
78G	SPECIAL	GREY
78J	SPECIAL	GREY
78L	SPECIAL	GREY
8	TPS POSITION SIGNAL (FROM ENGINE)	BLACK
801	SIGNAL POTENTIOMETER #1 (ARM) OR TRIGGER SIGNAL (CLAH)	BROWN
801i	SIGNAL POTENTIOMETER #1 (INNER) MULTIPLEX	BROWN
801o	POTENTIOMETER #1 OUTPUT SIGNAL (INNER) MULTIPLEX	BROWN
802	SIGNAL POTENTIOMETER #2 (FORK)	BROWN
802i	SIGNAL POTENTIOMETER #2 (OUTER) MULTIPLEX	BROWN
802o	POTENTIOMETER #2 OUTPUT SIGNAL (OUTER) MULTIPLEX	BROWN



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
803	SIGNAL OF PROX #3	BROWN
803A	OVERRIDE SWITCH FOR RIGHT HAND WITH CRUSHER	BROWN
803B	OVERRIDE SWITCH FOR RIGHT HAND WITH CRUSHER	BROWN
803i	SIGNAL OF PROX #3 MULTIPLEX	BROWN
803o	INNER BOOM GROUND SUPPLY MULTIPLEX	BROWN
803P	PROX #3 OUTPUT SIGNAL MULTIPLEX	BROWN
804	SIGNAL OF PROX #4	BROWN
804i	SIGNAL OF PROX #4 MULTIPLEX	BROWN
804o	OUTER BOOM GROUND SUPPLY MULTIPLEX	BROWN
804P	PROX #4 OUTPUT SIGNAL MULTIPLEX	BROWN
805	OR PARKED ARM SIGNAL NEGATIVE NOT FLASHING (SF EURO)	BLUE
805	PARKING LIMIT OR PROX SWITCH SIGNAL	BLUE
805A	SIGNAL FLASHING NEG. ARM OUT (SF EURO)	BLUE
805B	ARM PARKED SIGNAL (NEG.)	BLUE
805C	ADDITIONAL ARM PARKED SENSOR ON HELPING HAND	BLUE
805C	OR ARM UP (MIN-MAX)	BLUE
805i	PARKING PROX SIGNAL MULTIPLEX	BLUE
805o	PARKING LIGHT OUTPUT MULTIPLEX	BLUE
806	POWER FOR VALVE ARM OR VALVE #1	ORANGE
806A	POWER FORK VALVE (WHEN AUTODUMP)	ORANGE
806B	SUPPLY FOR CLOSE GRIPPER RELAY (CLAH)	ORANGE
806C	POWER FOR FLOW DIVIDER FROM RIGHT PACKER CTRL	ORANGE
806D	POWER FOR FLOW DIVIDER FROM LEFT PACKER CTRL	ORANGE
806E	POWER FOR FLOW DIVIDER FROM LEFT TIPPER CTRL (CLAHCD)	ORANGE
806i	JOYSTICK NEUTRAL SWITCH INPUT MULTIPLEX	ORANGE
806J	JOYSTICK SUPPLY	ORANGE
806K	806J ACTIVE WHEN THE RELAY IS POWERED	ORANGE
806o	AUTOMATED VALVE POSITIVE SUPPLY MULTIPLEX	ORANGE
807	PROPORTIONAL SIGNAL ARM OR INNER BOOM VALVE OR VALVE #2	WHITE
807A	SPECIAL	WHITE
807i	INNER BOOM PROPORTIONAL SIGNAL INPUT FROM AUTODUMP MODULE	WHITE
807o	INNER BOOM PROPORTIONAL SIGNAL OUTPUT TO VALVE MULTIPLEX	WHITE
808	SIGNAL FROM AUTODUMP SWITCH	ORANGE
808A	AUTODUMP UP SWITCH (WITKE)	ORANGE
808A	SPEED UP OUTPUT FROM AUTODUMP SWITCH	ORANGE
808B	AUTODUMP DOWN SWITCH (WITKE)	ORANGE
808B	SPEED UP OUTPUT FROM TIMER	ORANGE
808C	CART CENTER LEFT	YELLOW
808D	CART CENTER RIGHT	GREEN
809	VERSA HAND SERIE/PARALLEL	BLACK
810	JOYSTICK NEUTRAL SWITCH OUTPUT	ORANGE
810A	REMOTE JOYSTICK FEED (CLA)	RED
811	PROPORTIONAL SIGNAL FORK OR OUTER BOOM VALVE OR VALVE #1	BLACK
811i	OUTER BOOM PROPORTIONAL SIGNAL INPUT FROM AUTODUMP MODULE	BLACK
811o	OUTER BOOM PROPORTIONAL SIGNAL OUTPUT TO VALVE MULTIPLEX	BLACK
812	GROUND SUPPLY TO ARM COIL RELAY	WHITE
813	GROUND SUPPLY TO FORK COIL RELAY	WHITE
814	INCREASE WIDTH FORK OR OPEN GRIPPER	GREEN
814A	GRIPPER OPEN INTERLOCK (CLAH)	GREEN
814B	GRIPPER OPEN ENABLE OUTPUT (CLAH) AUTO DUMP	GREEN
814C	GRIPPER OPEN SIGNAL LOOP (CLAH)	GREEN



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
814D	GRIPPER OPEN OVER ARM SENSOR	GREEN
814E	814 OVER DIODE	GREEN
814i	OPEN GRIPPER SWITCH SIGNAL MULTIPLEX	GREEN
814o	OPEN GRIPPER OUTPUT TO VALVE MULTIPLEX	GREEN
814R	GRIPPER OPEN SIGNAL AUXILARY CONTROL (LOW)	GREEN
815	DECREASE WIDTH FORK OR CLOSE GRIPPER	YELLOW
815A	CLOSE GRIPPER SIGNAL FROM MODULE	YELLOW
815B	815 OVER DIODE	YELLOW
815C	SUPPLY CLOSE GRIPPER ON AUTO DUMP MODULE (CLAH)	YELLOW
815D	CLAMP INTERLOCK SIGNAL ON CLOSE GRIPPER (COBRA)	WHITE
815E	815 OVER DIODE	YELLOW
815i	CLOSE GRIPPER SWITCH SIGNAL MULTIPLEX	YELLOW
815o	CLOSE GRIPPER OUTPUT TO VALVE MULTIPLEX	YELLOW
815R	GRIPPER CLOSE SIGNAL AUXILARY CONTROL (LOW)	WHITE
816	ARM UP VALVE OR INNER BOOM JOYSTICK SIGNAL	WHITE
816A	ARM UP CONTACT SWITCH SIGNAL	WHITE
816B	ARM RAISED INTERLOCK SIGNAL (MINI-MAX)	WHITE
816D	ARM UP SIGNAL INTERLOCKED WITH SENSOR	WHITE
816R	ARM UP SIGNAL FROM AUXILARY CONTROL SIGNAL, (COBRA)	WHITE
817	ARM DOWN VALVE OR OUTER BOOM JOYSTICK SIGNAL	BLACK
817A	ARM DOWN CONTACT SWITCH SIGNAL	BLACK
817R	ARM DOWN SIGNAL FROM AUXILARY CONTROL SIGNAL, (COBRA)	BLACK
818	FORK UP VALVE SIGNAL OR ARM IN (COBRA)	RED
818A	FORK UP CONTACT SWITCH SIGNAL	RED
818R	ARM OUT SIGNAL FROM AUXILARY CONTROL SIGNAL, (COBRA)	RED
819	FORK DOWN VALVE SIGNAL (CF) OR ARM OUT (COBRA)	GREEN
819A	FORK DOWN CONTACT SWITCH SIGNAL	GREEN
819B	ARM OUT OVER DIODE (MINIMAX)	GREEN
819R	ARM IN SIGNAL FROM AUXILARY CONTROL SIGNAL, (COBRA)	GREEN
82	BINARY SIGNAL #1 TO INTERNATIONAL WIPER HARNESS	GREY
820	BAR EMERGENCY STOP SIGNAL (CF)	GREY
820	EMERGENCY OVERRIDE BUTTON (CF)	GREY
820	TRIGGER SIGNAL 2 (CLAH)	GREY
821	ARM BOUNCE SIGNAL (CF) OR OPEN CLAM SW (COBRA)	PURPLE
821	TRIGGER SIGNAL 3 (CLAH)	PURPLE
822	FORK BOUNCE SIGNAL (CF) OR CLOSE CLAMP SW (COBRA)	PURPLE
822A	"A" FRAME > 90 DEGREES SENSOR	PURPLE
823	ARM JOYSTICK SIGNAL (CF)	BLUE
824	FORK JOYSTICK SIGNAL (CF)	BLACK
825	BAR STOP OVERRIDE (CF)	GREY
826	300 GALLONS SELECTOR SWITCH (CLA)	PURPLE
827	GRIPPER FULLY OPEN SIGNAL, (CLAH)	GREEN
828	SLIDING RETRACT INHIBITOR SIGNAL (CLAH)	GREEN
829	ARM, SLOW SPEED SWITCH (COBRA)	ORANGE
82A	BINARY SIGNAL #2 TO INTERNATIONAL WIPER HARNESS	GREY
82B	BINARY SIGNAL #3 TO INTERNATIONAL WIPER HARNESS	GREY
82H	WIPER HIGH SPEED	RED
82L	WIPER LOW SPEED SIGNAL	GREEN
82LE	WIPER LOW SPEED INPUT TO CHASSIS	GREEN
82P	SPECIAL	BLUE
830	ARM RETRACTED SENSOR (MINIMAX)	PURPLE



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
831	OPEN CLAM SOLENOID	GREEN
832	CLOSE CLAMP SOLENOID	YELLOW
832A	CLOSE CLAMP INTERLOCKED WITH GRIPPER SENSOR	YELLOW
833	ARM IN LOW POSITION, N.O. (COBRA)	GREEN
834	ARM IN UPPER POSITION, N.O. (COBRA)	WHITE
835	GRIPPER ANGLE SENSOR	BROWN
836o	CONTAINER COUNTER	ORANGE
837	VERSA HAND SERIE/PARALLEL	BLACK
838	VERSA HAND ARM/LOCK	PURPLE
839	VERSA HAND ARM/LOCK	PURPLE
841	SPARE INPUT CF	GREY
842	SPARE INPUT CF	GREY
85	HORN SIGNAL INTERNATIONAL	GREY
85B	CITY HORN SIGNAL INTERNATIONAL	GREY
85C	AIR HORN SIGNAL INTERNATIONAL	GREY
85D	CITY HORN SIGNAL M2	GREY
875	PERMISSION UP FROM MODULE	BROWN
875A	PERMISSION UP OVER RELAY	BROWN
876	PERMISSION DOWN FROM MODULE	BROWN
876A	PERMISSION DOWN OVER RELAY	BROWN
877	PERMISSION UP AND DOWN SIGNAL	BROWN
87A	WINDSHIELD WASHER SIGNAL	GREY
8C	TPS POSITION SIGNAL (CENTER)	BLACK
8L	TPS POSITION SIGNAL (LEFT)	BLACK
8R	TPS POSITION SIGNAL (RIGHT)	BLACK
9	SPECIAL	GREY
90A	MARKER SIGNAL	BROWN
94	AUTOCAR SPEEDUP	WHITE
96	SPECIAL	GREY
9R	HORN GROUND REFERENCE INTERNATIONAL	GREY
9S	WIPER GROUND REFERENCE INTERNATIONAL	GREY
A 1+	ANALOG INPUT	GREY
ALT	ALTERNATOR PIN R	GREY
BACKUP	BACKUP	GREY
BAT	BATTERY SUPPLY	PURPLE
BAT+	BATTERY SUPPLY	PURPLE
BAT1	BATTERY SUPPLY	BROWN
BAT2	BATTERY SUPPLY	RED
BATT	BATTERY SUPPLY	RED
BKP-SIG	BACKUP	GREY
BKP-SIG1	BACKUP	GREY
C3x	M2 WIRING - SEE HARNESS DRAWING FOR COLOR	
C4x	M2 WIRING - SEE HARNESS DRAWING FOR COLOR	
CAM2	SIGNAL AUTOSWITCHER 2	GREEN
CAM3	SIGNAL AUTOSWITCHER 3	GREEN
CAM4	SIGNAL AUTOSWITCHER 4	GREEN
CAN_H	CAN BUS SIGNAL HIGH	YELLOW
CAN_L	CAN BUS SIGNAL LOW	GREEN
CAN0	CAN BUS GROUND REF	WHITE
CAN12	CAN BUS POSITIVE REF	BROWN
CANH	CAN BUS SIGNAL HIGH	YELLOW



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
CANH2	CAN BUS SIGNAL HIGH	YELLOW
CANL	CAN BUS SIGNAL LOW	GREEN
CANL2	CAN BUS SIGNAL LOW	GREEN
CFG	NODE CONFIG ADDRESSES	PURPLE
COM	IDLE SWITCH COMMUN ON TPS	ORANGE
COMC	IDLE SWITCH COMMUN ON TPS (CENTER)	ORANGE
COML	IDLE SWITCH COMMUN ON TPS (LEFT)	ORANGE
COMR	IDLE SWITCH COMMUN ON TPS (RIGHT)	ORANGE
DPF	DPF INDICATOR LIGHT	ORANGE
F33B	SPECIAL	ORANGE
F34B2	SPECIAL	ORANGE
F35B1	SPECIAL	ORANGE
F4C3	SPECIAL	ORANGE
F4D3	SPECIAL	ORANGE
GND	GROUND	WHITE
GND1	GROUND	WHITE
GND2	GROUND	WHITE
GRN	CAN BUS SIGNAL LOW	GREEN
IGN	IGNITION SIGNAL FROM KEY	BLUE
IGN1	IGNITION POWER FROM RELAY	BLUE
IGN-x	IGNITION POWER FROM RELAY	RED
i-XX	SPARE INPUT TO MODULE	YELLOW
J1939H	J1939 BUS SIGNAL HIGH	YELLOW
J1939L	J1939 BUS SIGNAL LOW	GREEN
JMP	JUMPER WIRE	WHITE
K46A	RESUME PTO SWITCH INTERNATIONAL	PURPLE
K46B	SET PTO SPEED INTERNATIONAL	PURPLE
K97DF	VOLTAGE PTO INTERNATIONAL	PURPLE
L6A	L6 LIGHT	GREY
L82	BINARY SIGNAL #1 FROM LEFT-H WIPER SWITCH	GREY
L82A	BINARY SIGNAL #2 FROM LEFT-H WIPER SWITCH	GREY
L82B	BINARY SIGNAL #3 FROM LEFT-H WIPER SWITCH	GREY
NC	NORMALLY CLOSE CONTACT	GREY
NEG	GROUND	WHITE
NO	NORMALLY CLOSE CONTACT	GREY
o-XX	SPARE OUTPUT FROM MODULE	BLUE
PL-H	CYCLE H LIGHT	GREY
PL-HA	CYCLE H LIGHT	GREY
R10	RESISTIVE LADDER SIGNAL (M2)	RED
R11	RESISTIVE LADDER SIGNAL (M2)	RED
R13	RESISTIVE LADDER SIGNAL (M2)	RED
R14	RESISTIVE LADDER SIGNAL (M2)	RED
R8	MAIN ACCESSORIES SIGNAL	BLACK
R82	BINARY SIGNAL #1 FROM RIGHT-H WIPER SWITCH	GREY
R82A	BINARY SIGNAL #2 FROM RIGHT-H WIPER SWITCH	GREY
R82B	BINARY SIGNAL #3 FROM RIGHT-H WIPER SWITCH	GREY
R9	HAND BRAKE SIGNAL	BLACK
-RELAY COIL	RELAY COIL GROUND	WHITE
RX	RS232 "RECEIVE"	RED
SGL	SPEEDUP SIGNAL	BLACK
SHD	CABLE SHIELD CONTINUITY	GREY



Electrical Wire Color/Number Reference Chart

WIRE#	DESCRIPTION	COLOR
SIG	SIGNAL FROM PROX SWITCH	BROWN
SIG-	CONTROL GROUND SIGNAL	WHITE
SIG-1	CONTROL GROUND SIGNAL	WHITE
SIG-2	CONTROL GROUND SIGNAL	WHITE
SIG-3	CONTROL GROUND SIGNAL	WHITE
SIG-4	CONTROL GROUND SIGNAL	WHITE
SIG-A-1	CONTROL GROUND SIGNAL	WHITE
SIG-A-2	CONTROL GROUND SIGNAL	WHITE
SNZ	SNOOZE/ENABLE SIGNAL FOR MULTIPLEX MODULE	PURPLE
SW1	WIPER SWITCH SIGNAL #1 (LABRIE CAB EXTENSION)	GREY
SW2	WIPER SWITCH SIGNAL #2 (LABRIE CAB EXTENSION)	GREY
SW3	WIPER SWITCH SIGNAL #3 (LABRIE CAB EXTENSION)	GREY
SYN	SYNCHRO	GREY
TEST	TEST PIN (MULTIPLEX MODULES)	ORANGE
TURN	TURN SIGNAL (COMINGLE TAILGATE)	PURPLE
TX	RS232 "TRANSMIT"	BLUE
-VALVE	VALVE NEGATIVE SIGNAL	WHITE
WBL	"WARBLE" (PRECO 1059)	BROWN
WHT	CAN BUS GROUND REF	WHITE
YEL	CAN BUS SIGNAL HIGH	YELLOW