

PS-ECU-FI	C.10.1			PS to ECU Harness - FI Power			
CONNECTOR	DT04-6P						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	16	RED	F9 / P1-C1	L.10.23	4.75	Fuel Injector PWR
2	#REF!	14	RED	J1 / P2-C1	L.10.14	15	(Relay 1 P87) 12V PWR for COP
3	#REF!	16	RED	J7 / P3-C1	L.10.33	5	Fan Supply Power 1
4	#REF!	16	RED	J7 / P4-C1	L.10.34	5	Fan Supply Power 2
5	#REF!	14	RED	RLY7-P87 / P5-C1	L.10.25	5.75	Fuel Pump PWR
6	#REF!	Plug			PLUG	#N/A	
PS-ECU-O	C.10.2			PS to ECU Harness - Outputs			
CONNECTOR	DTM04-8P						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	18	RED	J15 / P1-C2	L.10.77	7.5	WB Nano 1 Power
2	#REF!	18	RED	J15 / P2-C2	L.10.78	7.5	WB Nano 2 Power
3	#REF!	18	RED	F10 / P3-C2	L.10.79	7.5	FT550 PWR
4	#REF!	18	RED	F12 / P4-C2	L.10.81	0.5	+12V Semsor PWR
5	#REF!	20	BLUE	RLY7-P85 / P5-C2	L.10.27	0.15	Fuel Pump ECU Trigger
6	#REF!	20	BLUE	RLY8-P85 / P6-C2	L.10.31	0.15	Fan Trigger Relay - ECU Signal Trigger (85)
7	#REF!	20	BLUE	RLY10-P85 / P7-C2	L.10.40	0.15	ECU Trigger Output: RPM Activated Output
8	#REF!	20	BLUE	RLY11-P85 / P8-C2	L.10.45	0.15	ECU Trigger Starter trig output
MH-PS-2	C.10.3			PS TO Main Harness - Connector 2			
CONNECTOR	DT04-12P						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	14	RED	F15 / P1-C3	L.10.93	7.3	Fuse 15 - Start Ignition +12V PWR
2	#REF!	18	RED	J17 / P2-C3	L.10.90	1.35	Brake PWR Circuit
3	#REF!	18	YELLOW	P3-C6 / P3-C3	L.10.94	0.25	+24V Turn Signal Logic Ref Voltage
4	#REF!	18	BLACK	P4-C8 / P4-C3	L.10.59	3.729285714	D1-D2 GND Path thru Neutral Switch
5	#REF!	18	BLACK	P4-C10 / P5-C3	L.10.54	3.729285714	D3-D4 GND Path thru SS Switch
6	#REF!	18	RED	F11 / P6-C3	L.10.80	0.15	Lightbar Power Supply +12V
7	#REF!	16	RED	F13 / P7-C3	L.10.88	4.5	Taill Illumination Fused +12V PWR
8	#REF!	18	BLACK	RLY1-P85 / P8-C3	L.10.49	0.15	Bank angle relay coil exit - gnd thru BAS
9	#REF!	16	PURPLE	RLY9-P87 / P9-C3	L.10.39	4.9	Highbeam Output Power
10	#REF!	18	RED	RLY10-P87 / P10-C3	L.10.46	5	Sidestand Down Light PWR (RPM ACTIVATED PWR)
11	#REF!	16	PINK	RLY11-P87a / P11-C3	L.10.47	4.75	HeadLight Lowbeam PWR
12	#REF!	Plug			PLUG	#N/A	

MH-PS-1	C.10.4			PS TO Main Harness - Connector 1			
CONNECTOR	DTM04-12P						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	18	BROWN	RLY11-P87 / P1-C4	L.10.48	4.5	Starter Relay Coil Power
2	#REF!	18	BLACK	P2-C4 / P2-C8	L.10.56	3.714285714	Starter Relay Coil Exit - GND thru ns diode
3	#REF!	18	BLACK	P3-C10 / P3-C4	L.10.51	3.714285714	Starter Relay Coil Exit - Thru clutch switch
4	#REF!	18	BLACK	P2-C10 / P4-C4	L.10.50	0.015	SS Down LED GND - thru SS Diode
5	#REF!	18	BLACK	P5-C4 / P3-C8	L.10.55	0.015	Neutral Light LED GND Path - thru NS Diode
6	#REF!	20	RED	P6-C4 / J13	L.10.67	0.45	Switched (KeySwitch) +12V PWR
7	#REF!	18	RED	P7-C4 / J9	L.10.41	5.3	Run / Stop Switch Input (+12V)
8	#REF!	20	WHITE	P8-C4 / RLY9-P86	L.10.112	0.15	Highbeam Switch Input +12V
9	#REF!	20	GRAY	P9-C4 / RLY12-P86	L.10.82	0.15	Left Turn Signal Ref +24V PWR
10	#REF!	20	GRAY	P10-C4 / RLY13-P86	L.10.83	0.15	Right Turn Signal Ref +24V PWR
11	#REF!	20	ORANGE	RLY12-P87 / P11-C4	L.10.110	2	Left turn signal Flashing 12V
12	#REF!	20	LIGHT BLUE	RLY13-P87 / P12-C4	L.10.111	2	Right turn signal Flashing 12V
24VPS	C.10.5			24V Power Supply - SUPPLY SIDE			
CONNECTOR	DT04-4P						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	16	RED	P1-C5 / 24PS IN +	L.10.95	5	+12V POWER SUPPLY
2	#REF!	16	BLACK	P2-C5 / 24PS IN -	L.10.96	5	+12V BATTER NEG
3	#REF!	16	BLACK	24PS OUT + / P3-C5	L.10.97	5	24V PS Positive
4	#REF!	16	YELLOW	24PS OUT - / P4-C5	L.10.98	5	24V PS Negative
24VPS	C.10.6			24V Power Supply - HARNESS SIDE			
CONNECTOR	DT06-4S						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	18	RED	J17 / P1-C6	L.10.92	5	+12V For 24V Power Supply
2	#REF!	18	LIGHT GREEN	P2-C6 / BAT -	L.10.99	5	+12V Battery Neg for 24V Power Supply System
3	#REF!	18	YELLOW	P3-C6 / P3-C3	L.10.94	0.25	+24V Turn Signal Logic Ref Voltage
4	#REF!	18	LIGHT GREEN	J18 / P4-C6	L.10.100	0.3	24V Power Supply System GND
DIODE-NS	C.10.8			Diode Pack - Nuetral Switch (Harness)			
CONNECTOR	DT06-4S						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	plug			PLUG		

2	#REF!	18	BLACK	P2-C4 / P2-C8	L.10.56	3.714285714	Starter Relay Coil Exit - GND thru ns diode
3	#REF!	18	BLACK	P5-C4 / P3-C8	L.10.55	0.015	Neutral Light LED GND Path - thru NS Diode
4	#REF!	18	BLACK	P4-C8 / P4-C3	L.10.59	3.729285714	D1-D2 GND Path thru Neutral Switch
DIODE-SS	C.10.10			Diode Pack - Nuetral Switch (Harness)			
CONNECTOR	DT06-4S						
BOOT	SCL						
NOTES							
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	#REF!	plug			PLUG		
2	#REF!	18	BLACK	P2-C10 / P4-C4	L.10.50	0.015	SS Down LED GND - thru SS Diode
3	#REF!	18	BLACK	P3-C10 / P3-C4	L.10.51	3.714285714	Starter Relay Coil Exit - Thru clutch switch
4	#REF!	18	BLACK	P4-C10 / P5-C3	L.10.54	3.729285714	D3-D4 GND Path thru SS Switch
NOTE, CONNECTORS C10.7 & C10.9 ARE THE SAME (DT04-4P-RT01) DIODE PACKS SELF SEALED - PLUG AND PLAY							

87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY3				(Switched) Fan Power			
Number:	3						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Allows Power from battery to fan relay pin 30						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.16	20	RED	J1 / RLY3-P86	L.10.16	0.15	(Relay 1 P87) 12V PWR for Relay 3 P86
85	L.10.61	22	BLACK	RLY3-P85 / J12	L.10.61	0.15	Relay 3 Coil GND - to Bat Neg
30	L.10.9	12	RED	F3 / RLY3-P30	L.10.9	10.15	Relay 3 (Fan) +12V Power Supply
87	L.10.28	12	RED	RLY3-P87 / J6	L.10.28	10.15	Fan Relay Switched PWR
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY4				(Switched) Headlight Power			
Number:	4						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Allows battery Power to Headlight Highbeam relay pin 30 and power for Low Beam light						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.68	20	RED	J13 / RLY4-P86	L.10.68	0.15	Relay 4 (HL) Coil PWR (86)
85	L.10.62	22	BLACK	RLY4-P85 / J12	L.10.62	0.15	Relay 4 Coil GND - to Bat Neg
30	L.10.10	12	RED	F4 / RLY4-P30	L.10.10	14.3	Relay 4 (HL) +12V Power Supply
87	L.10.35	12	RED	RLY4-P87 / J8	L.10.35	14.3	Headlight Relay SW PWR (87)
87a		#N/A	#N/A	#N/A			#N/A
RLY5				(Switched) Misc Power1			
Number:	5						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Provide battery power for fuses: 10- FT550, 11-LED Light bar, 12 +12V Sensors						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.69	20	RED	J13 / RLY5-P86	L.10.69	0.15	Relay 5 (MISC 1) Coil PWR (86)
85	L.10.63	22	BLACK	RLY5-P85 / J12	L.10.63	0.15	Relay 5 Coil GND - to Bat Neg
30	L.10.11	12	RED	F5 / RLY5-P30	L.10.11	23.15	Relay 5 (Misc 1) +12V Power Supply
87	L.10.71	12	RED	RLY5-P87 / J14	L.10.71	23.15	Relay 5 - On Power (Pin 87)
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY6				(Switched) Misc Power 2			
Number:	6						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Provide battery power for fuses: 13- Tail and illumination power, 14-brake & turn signal power, 15 start ignition power.						

Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.70	20	RED	J13 / RLY6-P86	L.10.70	0.15	Relay 6 (MISC 2) Coil PWR (86)
85	L.10.64	22	BLACK	RLY6-P85 / J12	L.10.64	0.15	Relay 6 Coil GND - to Bat Neg
30	L.10.12	12	RED	F6 / RLY6-P30	L.10.12	22.15	Relay 6 (Misc 2) +12V Power Supply
87	L.10.84	12	RED	RLY6-P87 / J16	L.10.84	22.15	Relay 6 - On Power (Pin 87)
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY7				Fuel Pump			
Number:	7						
TYPE:	SC: 108-1AH-D-R1						
NOTES	Turns fuel pump on and off based on ECU output.						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.21	16	RED	J3 / RLY7-P86	L.10.21	0.15	Fuse 8 Pwr for Relay 7 Coil PWR
85	L.10.27	20	BLUE	RLY7-P85 / P5-C2	L.10.27	0.15	Fuel Pump ECU Trigger
30	L.10.22	16	RED	J3 / RLY7-P30	L.10.22	5.75	Fuse 8 Pwr for Switched PWR (Fuel Pump)
87	L.10.25	14	RED	RLY7-P87 / P5-C1	L.10.25	5.75	Fuel Pump PWR
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY8				Fan			
Number:	8						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Turns on the cooling fans triggered by ECU.						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.29	20	RED	J6 / RLY8-P86	L.10.29	0.15	Fan Trigger Relay - Coil PWR
85	L.10.31	20	BLUE	RLY8-P85 / P6-C2	L.10.31	0.15	Fan Trigger Relay - ECU Signal Trigger (85)
30	L.10.30	12	RED	J6 / RLY8-P30	L.10.30	10	Fan Trigger Relay - switched (30) PWR
87	L.10.32	12	RED	RLY8-P87 / J7	L.10.32	10	Fan Trigger Relay - FAN SUPPLU POWER (87)
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY9				Headlight Highbeam			
Number:	9						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Switches on the headlight highbeams						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.112	20	WHITE	P8-C4 / RLY9-P86	L.10.112	0.15	Highbeam Switch Input +12V
85	L.10.65	22	BLACK	RLY9-P85 / J12	L.10.65	0.15	Relay 9 Coil GND - to Bat Neg
30	L.10.36	16	RED	J8 / RLY9-P30	L.10.36	4.9	Highbeam Relay (30) PWR Supply
87	L.10.39	16	PURPLE	RLY9-P87 / P9-C3	L.10.39	4.9	Highbeam Output Power
87a		#N/A	#N/A	#N/A		#N/A	#N/A

RLY10					Starter Logic 1		
Number:	10						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Triggered by RPM activated ECU Output When activated, provides power to Side stand down light						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.37	20	RED	J8 / RLY10-P86	L.10.37	0.15	Starter Logic 1 Relay Coil PWR
85	L.10.40	20	BLUE	RLY10-P85 / P7-C2	L.10.40	0.15	ECU Trigger Output: RPM Activated Output
30	L.10.43	18	RED	J9 / RLY10-P30	L.10.43	5.15	Starter Logic 1 Common PWR (30) (from run/stop)
87	L.10.46	18	RED	RLY10-P87 / P10-C3	L.10.46	5	Sidestand Down Light PWR (RPM ACTIVATED PWR)
87a	L.10.44	18	RED	RLY10-P87a / RLY11-P86	L.10.44	0.15	SL2 Coil PWR from SL1 87a
RLY11					Starter logic 2		
Number:	11						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Triggered by Starter ECU Output When 87a powers lowbeam light, 87 goes to starter relay coil power.						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.44	18	RED	RLY10-P87a / RLY11-P86	L.10.44	0.15	SL2 Coil PWR from SL1 87a
85	L.10.45	20	BLUE	RLY11-P85 / P8-C2	L.10.45	0.15	ECU Trigger Starter trig output
30	L.10.38	16	RED	J8 / RLY11-P30	L.10.38	9.25	Stater Logic 2 (30) PWR
87	L.10.48	18	BROWN	RLY11-P87 / P1-C4	L.10.48	4.5	Starter Relay Coil Power
87a	L.10.47	16	PINK	RLY11-P87a / P11-C3	L.10.47	4.75	HeadLight Lowbeam PWR
RLY12					Left Turn Output		
Number:	12						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Once triggered through (turn signal Logic relays) activates the left turn signal Lights						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.82	20	GRAY	P9-C4 / RLY12-P86	L.10.82	0.15	Left Turn Signal Ref +24V PWR
85	L.10.106	18	BLACK	RLY12-P85 / RLY15-P87a	L.10.106	0.15	Left Turn Relay to LT Logic Relay - Coil GND Logic
30	L.10.109	20	ORANGE	J19 / RLY12-P30	L.10.109	2	Flasher 12V for Left Turn Signal
87	L.10.110	20	ORANGE	RLY12-P87 / P11-C4	L.10.110	2	Left turn signal Flashing 12V
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY13					Right Turn Output		
Number:	13						
TYPE:	SC: 871-1C-S-D1-12VDC						
NOTES	Once triggered through (turn signal Logic relays) activates the right turn signal Lights						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.83	20	GRAY	P10-C4 / RLY13-P86	L.10.83	0.15	Right Turn Signal Ref +24V PWR

85	L.10.105	18	BLACK	RLY13-P85 / RLY14-P87a	L.10.105	0.15	Right Turn Relay to RT Logic Relay - Coil GND Logic
30	L.10.108	20	ORANGE	J19 / RLY13-P30	L.10.108	2	Flasher 12V for Right Turn Signal
87	L.10.111	20	LIGHT BLUE	RLY13-P87 / P12-C4	L.10.111	2	Right turn signal Flashing 12V
87a		#N/A	#N/A	#N/A		#N/A	#N/A
RLY14					Left Turn Logic		
Number:	14						
TYPE:	SC: 871-1C-S-12VDC						
NOTES	Allows left turn signal relay to activate if right turn signal is not on.						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.104	18	BLACK	RLY15-P30 / RLY14-P86	L.10.104	0.15	Relay 14-15 Crossover Logic
85	L.10.102	18	LIGHT GREEN	RLY14-P85 / J18	L.10.102	0.15	24V GND - GND For Relay 14 Coil
30	L.10.103	18	BLACK	RLY14-P30 / RLY15-P86	L.10.103	0.15	Relay 14-15 Crossover Logic
87		#N/A	#N/A	#N/A		#N/A	#N/A
87a	L.10.105	18	BLACK	RLY13-P85 / RLY14-P87a	L.10.105	0.15	Right Turn Relay to RT Logic Relay - Coil GND Logic
RLY15					Right Turn Logic		
Number:	15						
TYPE:	SC: 871-1C-S-12VDC						
NOTES	Allows right turn signal relay to activate if left turn signal is not on.						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
86	L.10.103	18	BLACK	RLY14-P30 / RLY15-P86	L.10.103	0.15	Relay 14-15 Crossover Logic
85	L.10.101	18	LIGHT GREEN	RLY15-P85 / J18	L.10.101	0.15	24V GND - GND For Relay 15 Coil
30	L.10.104	18	BLACK	RLY15-P30 / RLY14-P86	L.10.104	0.15	Relay 14-15 Crossover Logic
87		#N/A	#N/A	#N/A		#N/A	#N/A
87a	L.10.106	18	BLACK	RLY12-P85 / RLY15-P87a	L.10.106	0.15	Left Turn Relay to LT Logic Relay - Coil GND Logic
RLY16					Turn Signal Flasher		
Number:	16						
TYPE:	2 - Pin						
NOTES	Provides flashing power to left & right turn signal outputs.						
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
B	L.10.91	18	RED	J17 / RLY16-PB	L.10.91	4	+12V For LED Flasher Relay
L	L.10.107	20	ORANGE	RLY16-PL / J19	L.10.107	4	LED Flasher Relay -Flash Output +12V
30		#N/A	#N/A	#N/A		#N/A	#N/A
87		#N/A	#N/A	#N/A		#N/A	#N/A
87a		#N/A	#N/A	#N/A		#N/A	#N/A

F1				Bank Angle - Ignition			
Number:	1	Rating (AMPS):	20				
Form:	ATM Mini						
NOTES	Main load is only the two coil packs						
L.10.1, L.10.7							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.1	12	RED	BAT + / F1	L.10.1	15.3	+12V Straight from battery
2	L.10.7	12	RED	F1 / RLY1-P30	L.10.7	15.3	Relay 1 (Bank Angle) +12V Power Supply
F2				Fuel Power			
Number:	2	Rating (AMPS):	15				
Form:	ATM Mini						
NOTES	Supplies power for fuel pump and fuel injectors						
L.10.2, L.10.8							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.2	12	RED	BAT + / F2	L.10.2	10.65	+12V Straight from battery
2	L.10.8	12	RED	F2 / RLY2-P30	L.10.8	10.65	Relay 2 (Fuel) +12V Power Supply
F3				Fan			
Number:	3	Rating (AMPS):	15				
Form:	ATM Mini						
NOTES	Power to the SPAL fans						
L.10.3, L.10.9							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.3	12	RED	BAT + / F3	L.10.3	10.15	+12V Straight from battery
2	L.10.9	12	RED	F3 / RLY3-P30	L.10.9	10.15	Relay 3 (Fan) +12V Power Supply
F4				HeadLight - Highbeam			
Number:	4	Rating (AMPS):	10		Okay with a lower fuse since we are running LED Lights		
Form:	ATM Mini						
NOTES	Power for the Highbeam Head Lights						
L.10.4, L.10.10							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.4	12	RED	BAT + / F4	L.10.4	14.3	+12V Straight from battery
2	L.10.10	12	RED	F4 / RLY4-P30	L.10.10	14.3	Relay 4 (HL) +12V Power Supply
F5				Misc Power 1			
Number:	5	Rating (AMPS):	15				
Form:	ATM Mini						
NOTES	Power for the FT550 and light bar. 12V sensors, WB02 Nano pros. Possible expansion in the future						
L.10.5, L.10.11							

Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.5	12	RED	BAT + / F5	L.10.5	23.15	+12V Straight from battery
2	L.10.11	12	RED	F5 / RLY5-P30	L.10.11	23.15	Relay 5 (Misc 1) +12V Power Supply
F6				Misc Power 2			
Number:	6	Rating (AMPS):	10				
Form:	ATM Mini						
NOTES	Power for the taillights, turn signals, illumination, Brake Lights, starter relay coil						
L.10.6, L.10.12							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.6	12	RED	BAT + / F6	L.10.6	22.15	+12V Straight from battery
2	L.10.12	12	RED	F6 / RLY6-P30	L.10.12	22.15	Relay 6 (Misc 2) +12V Power Supply
F7				WB O2 Nano Pros			
Number:	7	Rating (AMPS):	10				
Form:	ATM Mini						
NOTES	Use this line to power both of the WB O2 Nano pros						
L.10.72, L.10.76							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.72	14	RED	J14 / F7	L.10.72	15	+12V For Fuse 7 - WB Nanos Pros
2	L.10.76	14	RED	F7 / J15	L.10.76	15	Fuse 7 - WB Nano Power
F8				Fuel Pump			
Number:	8	Rating (AMPS):	10				
Form:	ATM Mini						
NOTES	0						
L.10.18, L.10.20							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.18	16	RED	J2 / F8	L.10.18	5.9	Relay 2 Powr for Fuse 8 (Fuel Pump)
2	L.10.20	16	RED	F8 / J3	L.10.20	5.9	Fuse 8 Pwr for Fuel pump and pump relay
F9				Fuel Injectors			
Number:	9	Rating (AMPS):	7.5				
Form:	ATM Mini						
NOTES	0						
L.10.19, L.10.23							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.19	16	RED	J2 / F9	L.10.19	4.75	Relay 2 Powr for Fuse 9 (Injectors)
2	L.10.23	16	RED	F9 / P1-C1	L.10.23	4.75	Fuel Injector PWR
F10				FT550			

Number:	10	Rating (AMPS):	10				
Form:	ATM Mini						
NOTES	0						
L.10.73, L.10.79							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.73	16	RED	J14 / F10	L.10.73	7.5	+12V For Fuse 10 - FT550
2	L.10.79	18	RED	F10 / P3-C2	L.10.79	7.5	FT550 PWR
F11				Light bar			
Number:	11	Rating (AMPS):	5				
Form:	ATM Mini						
NOTES	Powers anything in the light bar that needs direct power						
L.10.74, L.10.80							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.74	16	RED	J14 / F11	L.10.74	0.15	+12V For Fuse 11 - LED Lightbar
2	L.10.80	18	RED	F11 / P6-C3	L.10.80	0.15	Lightbar Power Supply +12V
F12				12V Sensor Power			
Number:	12	Rating (AMPS):	5				
Form:	ATM Mini						
NOTES	0						
L.10.75, L.10.81							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.75	16	RED	J14 / F12	L.10.75	0.5	+12V For Fuse 12 - +12V Sensors
2	L.10.81	18	RED	F12 / P4-C2	L.10.81	0.5	+12V Sensor PWR
F13				Tail/Illumination			
Number:	13	Rating (AMPS):	5				
Form:	ATM Mini						
NOTES	All componets are LED Lights						
L.10.85, L.10.88							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.85	16	RED	J16 / F13	L.10.85	4.5	Fuse 13 +12V PWR - TAIL/ILLUM
2	L.10.88	16	RED	F13 / P7-C3	L.10.88	4.5	Taill Illumination Fused +12V PWR
F14				Brake/Turn Signals			
Number:	14	Rating (AMPS):	5				
Form:	ATM Mini						
NOTES	All componets are LED Lights						
L.10.86, L.10.89							

Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.86	16	RED	J16 / F14	L.10.86	10.35	Fuse 13 +12V PWR - BRAKE - TS
2	L.10.89	16	RED	F14 / J17	L.10.89	10.35	Fuse 14 - Brake PWR
F15				Start/Ignition			
Number:	15	Rating (AMPS):	10				
Form:	ATM Mini						
NOTES	0						
L.10.87, L.10.93							
Location	Line	Wire Size (AWG)	Color	Line Destinations (End 1, End 2)	Line	Line Amps	Line Description
1	L.10.87	14	RED	J16 / F15	L.10.87	7.3	Fuse 13 +12V PWR - START/IGN
2	L.10.93	14	RED	F15 / P1-C3	L.10.93	7.3	Fuse 15 - Start Ignition +12V PWR