

Coldslap Free-mo

Electrical Parts

(Per Module)

ITEM	DESCRIPTION	PART NUMBER	QTY	COST	TOTAL
Anderson Power Pole	15A Contact	1331	10	\$ 0.40	4.00
Anderson Power Pole	Black Housing	1327G6	2	0.72	1.44
Anderson Power Pole	Red Housing	1327	2	0.72	1.44
Anderson Power Pole	White Housing	1327G7	4	0.72	2.88
Anderson Power Pole	Green Housing	1327G5	2	0.72	1.44
Telephone box	6P6C surface mount	12-223W-0	2	2.31	4.62
Terminal strip	6 position 2 row	6-140	2	4.71	9.42
Ring terminals	22/18 #6 stud	73-033-C	12	0.08	0.99
Ring terminals	16/14 #6 stud	73-043-C	12	0.08	1.01
Sub-total					\$ 27.24
GST					1.91
PST					1.36
Total Electrical Parts					<u>\$ 30.50</u>

You will also need:

Digitrax UP5 Panels	Hobby Shop	2	\$ 22.50	\$ 45.00
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Loconet cables to connect UP5 panels and telephone boxes.

(Larry can make a cable for you at a cost of \$2.00 plus \$.25 per foot)

12 Ga Stranded Black Wire	Lordco Auto Parts	DCC Bus
12 Ga Stranded White Wire	Lordco Auto Parts	DCC Bus
13 Ga Stranded Green Wire	Lordco Auto Parts	Booster Common Bus
14 Ga Stranded Red Wire	Lordco Auto Parts	Accessory Bus
14 Ga Stranded White Wire	Lordco Auto Parts	Accessory Bus
22 Ga Stranded Black Wire	Electronics shop	Track Feeders
22 Ga Stranded White Wire	Electronics shop	Track Feeders

A good source of electronic supplies:

SMI Industrial Electronics
 109 – 20120 – 64th Avenue
 Langley BC V2Y 1M8
 (604) 533-3967

Tell them you are with the Chilliwack Model Railway Club and you will be given the club discount. Our account with them is CHIRAI.

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Constructing the DCC Bus cables

1. Cut two black and two white 12 Ga wires to a length of at least 18 inches, so that at least 18 inches extends from the point where the wire crosses the endplate of the module. We recommend a 24 inch length total for the wires.
2. Strip both ends of the two black and the white wires about 1/8 inch.
3. Crimp one Anderson Power Pole metal connector onto one end of each of the four wires.
4. Install a black housing onto each of the two black wires.
5. Install a white housing onto each of the two white wires.
6. Flux the other end of each black wire and each white wire.
7. Crimp a ring lug onto each wire.
8. Solder the ring lugs onto the wires. Apply and remove heat quickly to avoid melting the lug covers.

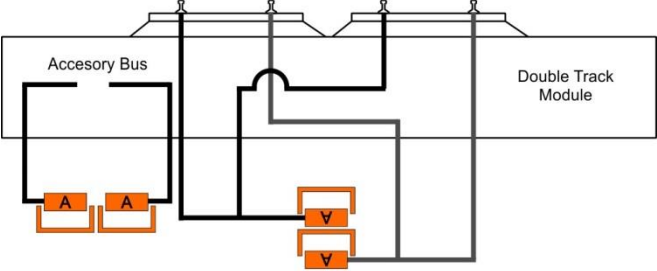
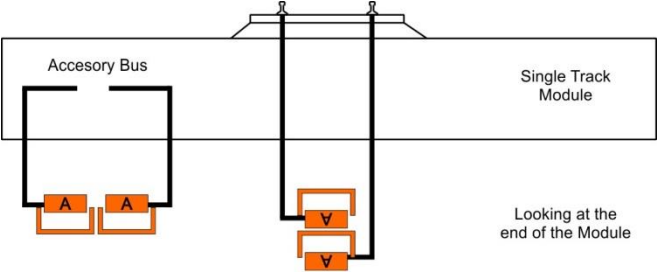
Constructing the Booster Common Bus cables

1. Cut two green 12 Ga wires to a length of at least 18 inches, so that at least 18 inches extends from the point where the wire crosses the endplate of the module. We recommend a 24 inch length total for the wires.
2. Strip both ends of the green wires about 1/8 inch.
3. Crimp one Anderson Power Pole metal connector onto one end of each of the two wires.
4. Install a green housing onto each of the two wires.
5. Flux the other end of each wire.
6. Crimp a ring lug onto each wire.
7. Solder the ring lugs onto the wires. Apply and remove heat quickly to avoid melting the lug covers.

Constructing the Accessory Bus cables

1. Cut two red and two white 14 Ga wires to a length of at least 18 inches, so that at least 18 inches extends from the point where the wire crosses the endplate of the module. We recommend a 24 inch length total for the wires.
2. Strip both ends of the two red and the white wires about 1/8 inch.
3. Crimp one Anderson Power Pole metal connector onto one end of each of the four wires.
4. Install a red housing onto each of the two red wires.
5. Install a white housing onto each of the two white wires.
6. Flux the other end of each red wire and each white wire.
7. Crimp a ring lug onto each wire.
8. Solder the ring lugs onto the wires. Apply and remove heat quickly to avoid melting the lug covers.

Connecting the Anderson Power Pole bus cables



S4.5 & S4.6 - Free-mo Anderson Powerpole Standards for Accessory and Track Buses (colors of housing are optional)