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RCS # BACH-5.
 OVERNIGHT TRICKLE CHARGER.
 FOR 12 V AC - 16 V AC

CAUTION
DO NOT USE THIS CHARGER
WITH: GEL CELLS, NiMH
OR
LITHIUM ION BATTERIES.
DO NOT PLACE ON A METAL SURFACE.

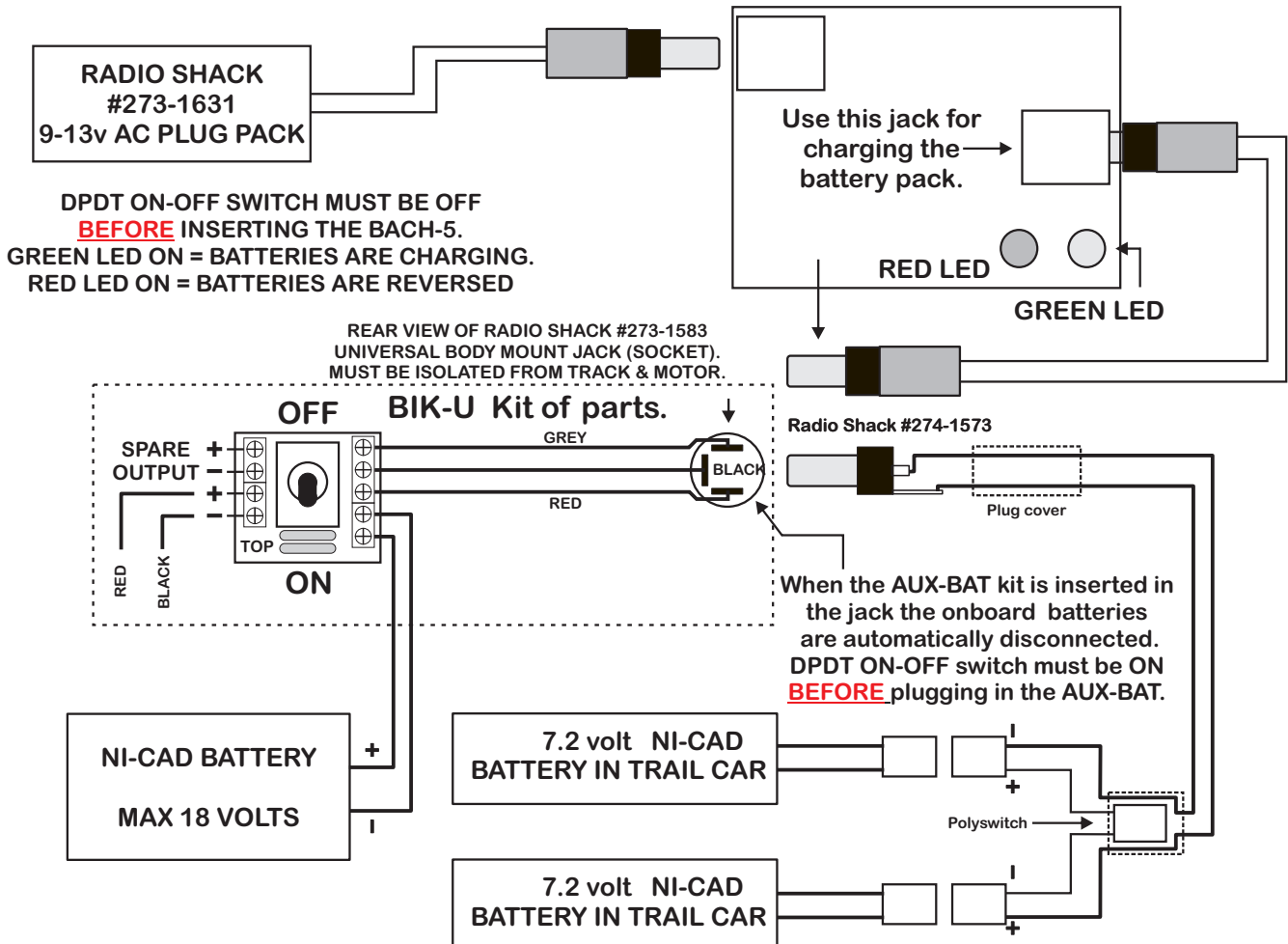
This charger is designed to charge 12 - 24 volt Ni-Cad batteries overnight.
 You can use either a 12 -13 VAC or 16-17VAC wall pack as the power supply
 The plug pack must have a 2.1 mm jack.
 We have provided a chart overleaf that lists Plug pack voltages and charger DIP switch settings for a given voltage battery pack Err on the low side if battery voltage or capacity don't match.
 Do not exceed these settings. The battery pack may overheat and be damaged.
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CAUTION: DO NOT TOUCH CHARGER DURING OPERATION. IT GETS HOT & MAY BURN!!!

WHAT THE CHARGING CHART MEANS.

VOLTS = THE BATTERY VOLTAGE. MATCH YOURS TO CHART.
MAH = THE BATTERY CAPACITY. MATCH YOURS TO CHART.
WALL PACK = EITHER 12 - 13 VOLTS AC or 16 - 17 VOLTS AC.





P = REFERS TO POSITION OF THE DIP SWITCHES.







RCS # BACH-5

OVER NIGHT MULTI CELL NI-CAD BATTERY CHARGER.

12 - 13 volt AC WALL PACK

BATTERY VOLTAGE	NO of CELLS	P 	P 	P 	P 
12.0	10	1800 mah	2000 mah	2300 mah	3000 mah
14.4	12	1500 mah	1700 mah	2000 mah	2600 mah
16.8	14	1300 mah	1400 mah	1600 mah	2000 mah

16 - 17 volt AC WALL PACK

BATTERY VOLTAGE	NO of CELLS	P 	P 	P 	P 
12.0	10	2600 mah	3100 mah	4000 mah	5400 mah
14.4	12	2500 mah	2900 mah	3700 mah	5000 mah
16.8	14	2400 mah	2700 mah	3400 mah	4300 mah
18.0	15	2300 mah	2600 mah	3250 mah	4100 mah
19.2	16	2200 mah	2500 mah	3100 mah	3900 mah
21.6	18	2000 mah	2200 mah	2500 mah	3300 mah
24.0	20	1700 mah	2000 mah	2300 mah	2900 mah

HOW TO USE THE BACH-5 CHARGER.

1. Set ON-OFF switch on the throttle to **OFF**. **MOST IMPORTANT!!!!**

If the switch is left ON when charging damage to sound systems may occur.

Insert 2.5mm DC plug into the charger & jack (socket) connected to the battery pack & throttle.

Remove cable from charger when you wish to charge the AUX-BAT.

CAUTION: When the battery is connected both LED's must be OFF. If one or both LED's come on before power to the charger is connected the battery is reversed and damage to charger occurs.

2. Plug in the proper wall plug pack

Only the green LED should light brightly when you connect power & batteries. Red LED may glow. Standard Charge Time (SCT) is 14 hours DO NOT EXCEED 14 hours.

NI-CAD batteries take the best charge when properly discharged. Run the loco until it becomes sluggish to ensure optimum discharge level. ie about 1.1 volts per cell.

CAUTION: DO NOT COMPLETELY FLATTEN NI-CADS.

THEY MAY NOT ACCEPT A CHARGE AND CAN BE IRREPARABLY DAMAGED.

DO NOT WIRE NI-CADS IN PARALLEL. THEY MAY BE DAMAGED.

CHARGER MAY GET HOT WHEN USED ON A VERY HIGH SETTING.