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IMPORTANT SAFEGUARDS
When using your photographic equipment, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions.

2. Close supervision is necessary when any appliance is used by or near children. Do not leave appliance unattended while in use.

3. Do not operate appliance with a damaged cord or if the appliance has been dropped or damaged — until it has been examined by a qualified serviceman.

4. Do not let cord hang over edge of table or counter or touch hot surfaces.

5. To protect against electrical shock hazards, do not immerse this appliance in water or other liquids.

6. To avoid electric shock hazard, do not disassemble this appliance, but take it to a qualified serviceman when some service or repair work is required. Incorrect reassembly can cause electric shock hazard when the appliance is used subsequently.

SAVE THESE INSTRUCTIONS
DESCRIPTION
The Vivitar RB-510 is a specially designed rechargeable battery unit. It replaces the disposable 510 volt carbon zinc battery normally used in the Vivitar High Voltage Battery Pack (HVP-1) and similar high voltage battery pack units. Because it is rechargeable and can therefore be used again and again, it can save the photographer a significant amount of money over its life compared to the 510 volt carbon zinc battery.

The RB-510 can be recharged by connecting it to a standard (12V negative ground) automobile cigarette lighter socket using the car charger cord supplied with the battery, or by an optional AC adapter/charger delivering 60-90 mA at 13.4 VDC. In either case, recharge time is 10 hours. When using the car charger cord, the car engine need not be running, and the drain on a normal car battery is insignificant. The RB-510 features a built-in safety switch that automatically turns the unit ON when inserted, or OFF when removed from the HVP-1. The RB-510 also has a built-in regulator that allows it to be used with most competitive high voltage pack units. The useable temperature range for charging the RB-510 is 32°-104°F or 0°-40°C.

RECYCLE TIME — NUMBER OF FLASHES
Because of the significant variables involved, such as ambient temperature, it is impossible for us to give precise recycle times and number of flashes to expect during actual use. However, the following statement is given as a guide: When fully charged, the RB-510 and HVP-1 will recycle a Vivitar 283 or equivalent flash unit in the manual mode in approximately 2.0 seconds, and deliver approximately 100 full power flashes per charge. When used with thyristor circuit flash units such as the 283 in the automatic mode, and with the subject at less than maximum range, the number of flashes will increase and the recycle time will decrease. At the same time, using the widest possible f/stop consistent with color coded auto exposure mode setting on your flash will also produce more flashes and faster recycle time.

OPERATION AND USE
1. Before using the RB-510, charge it for 10 hours for maximum capacity. (See Description.) The red light on the unit indicates charging is proceeding normally.
2. After charging, insert the RB-510 into the HVP-1 case with due regard to the polarity +/- markings on the case and on the battery.
3. For proper operation and connection of your flash, follow the instructions supplied with your high voltage pack and/or flash unit.
4. The RB-510 will need recharging when the flash unit recycle time increases to 15 seconds.
5. Because of a special circuit, the RB-510 can be stored in a discharged condition without harm and will self-discharge from full charge in approximately 3 months.

Specifications subject to change without notice.