



### PRODUCT SERVICE BULLETIN NO. 1

#### WINTER USE AND CARE TIPS \*

##### COLD WEATHER BATTERY CARE

The efficiency of a battery is somewhat less at lower temperatures. In order to obtain optimum performance of your Elec-Trak tractor during the winter months, and to properly care for the batteries when not in use, the following recommendations should be followed.

##### TRACTOR IN STORAGE

1. Fully charge batteries by setting charger knob to indicator mark appropriate for age of batteries and letting charger operate until it shuts off.  
(NOTE: Always be sure that the disconnect is in (engaged) when charging.)
2. Add water to each cell of the battery to the specified level as described on page 5 of the Use & Care manual. It is important for best battery care to be sure (a) that the perforated plates which may be seen through the filling holes are covered by the water level to a depth of 1/4-3/4" before charging, and (b) that the water level is brought to the bottom level of the indicator ring after charging. In this way, overfilling is prevented but sufficient water is assured. The water filler jug (available from your Dealer) does (b) automatically and in only a few minutes time.
3. The tractor may be stored in the cold provided the batteries are charged. Discharged batteries can freeze in cold temperatures unless recharged at once. The following table illustrates the relationship between amount of charge and freezing temperature of the electrolyte.

<u>Amount of Charge</u>	<u>Freezing Temperature of Electrolyte</u>
100%	- 80F
75%	- 42F
50%	- 16F
25%	- 2F
10%	+ 7F

Self-discharge of batteries is practically non-existent below +40 degrees Fahrenheit, and they can be stored for several months without attention when not used and in any temperature less than +40 F.

4. If stored in a warm area above 40 F, the tractor should be recharged and the water level in the batteries checked and adjusted about once a month.
5. After storage of more than a few weeks, it is advisable to give batteries an overnight charge before using.

\* This has been sent to owners.

