



# **Elec-Trak<sup>®</sup>**

**Tractor**

## **PRODUCT SERVICE BULLETIN NO. \_\_\_\_\_ 10**

May 28, 1971

### **POWER PACK CARE AND MAINTENANCE\***

An audit of several thousand of the tractors in service the past year included a check of the condition of each power pack. The information gained indicates that attention to power pack care is needed by many Elec-Trak tractor owners, in order to assure desired performance and life. This bulletin contains some additional information to that in the Use & Care Manual on necessary steps for proper care and maintenance of the power pack. Reread your Use & Care Manual section on the power pack.

#### Maintenance

The water level in the power pack must be maintained properly. With the caps removed the perforated shield, visible through the openings, must never be dry. The liquid level should be 1/2-3/4" above these plates. To prevent water bubbling out of the caps when charging, water should be added after the charging cycle is completed, except the shield should be covered before charging if it is exposed. Filling should be done carefully to avoid spilling water on the power pack or tractor. Distilled water is best but most tap water used for drinking is acceptable. Addition of water is needed more often in warmer weather. Check the water frequently (once/month or every 4-6 uses) and add whenever needed. An inexpensive, semi-automatic filler jug is available from your Elec-Trak tractor dealer which makes this maintenance very easy.

While water is the liquid added to the power pack, it must be remembered that the liquid in the power pack is an acid solution (electrolyte), and must be treated cautiously to avoid metal corrosion and possible acid burn of skin contacting the acid. When caps are removed they should be set down on the plastic cover, and not on any metal surface. After inspection and/or filling, any residual liquid should be wiped up with a cloth or paper towel. The tops and covers should be kept clean and free from dirt, dust, grass, etc.

If any excess spillage of electrolyte occurs, the acid can be neutralized by applying a paste of baking soda and water to the acid. Do not allow this mixture to fall inside the battery. When bubbling stops, wash the soda off and rinse with clean water. The electrolyte will eat holes in cloth, and can burn if contacting skin. After handling the power pack or caps always wash hands, and any other skin contacted.

If corrosion is noticed at the terminals, it should be removed by wire brushing. Heavy corrosion buildup can create leakage currents that will reduce power and range. Be sure to open disconnect before working on the power pack. Care must be exercised to avoid shorting any single power pack unit or group of units with metal, such as a wrench or screwdriver. The power pack post should be cleaned and also the post clamp. Do not hammer the clamp onto the post, but spread it to go on easily. Dealers have special tools for power pack service. After reassembly, the clamp and post should be protected with a coating of special grease, which is available from your dealer.

Clamps are used to prevent severe impacts on the power pack during service. These clamps should not be removed because then shocks encountered on rough terrain might cause damage to the power pack, either to the case or to the internal plates.

**REMEMBER: PROPER POWER PACK MAINTENANCE MEANS BEST PERFORMANCE AND LONGEST LIFE, AND CONSISTS PRIMARILY OF MAINTAINING THE CORRECT WATER LEVEL.**

#### Charging

The Elec-Trak charger replaces the energy to the power pack. It requires that the power disconnect be engaged as during operation and the timer switch be turned on. When the time is set on

\*This is being sent to owners.

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