



ElecTrak[®]

Garden Tractor

PRODUCT SERVICE BULLETIN NO. 72-21 (21)

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Power Pack Service - How to Check Specific Gravity

To get full range, the batteries must be fully and uniformly charged. Specific gravity readings of all cells should be taken if short range is reported. After a full charge (overnight), readings should be about 1.260 for all cells when temperature corrected. The temperature correction is 0.004 per 10° F difference of electrolyte from 80° F, added if above 80° F and subtracted if below 80° F. If batteries are new, several recharging cycles may be necessary to equalize cells to reach consistency in readings. Accurate specific gravity readings are important and the following precautions should be taken:

1. The hydrometer should be clean and in good condition. Old hydrometers become etched from acid and offer high resistance to the float moving up the glass. Hold vertical and jiggle the hydrometer to be sure it is floating free.
2. Draw up enough electrolyte to float the indicator freely without hitting the top. Do not maintain liquid level in the hydrometer by squeezing the bulb as this gives inaccurate readings.
3. Use a float with a numerical scale, not just color zones.
4. Wash hydrometer out with water after each use for best results.
5. Do not make specific gravity readings after adding water until thorough mixing has occurred. The charging process speeds this mixing.
6. Readings on the scale should be carefully observed and recorded. If a discharge reading of 1.140 is read as 1.160, an error of over 16% can occur in reporting the capacity of the power pack.

Product Service Bulletin No. 10 contains additional tips on battery care and maintenance.

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GENERAL  **ELECTRIC**

E8M/E10M Mower Lubrication

In addition to the lubrication points and intervals listed in the Owner's Use and Care Manual, the rear wheel bushings of the mower should be oiled with heavy machine oil seasonally.

Parts Distributor Phone Number

The recently released Parts Catalog contains information about parts distributors. Miller Power Saw Co. in Tyler, Texas, requires a phone number change. The number listed is for their retail outlet only, whereas parts orders should be placed on (214) 593-8258. Please make this change on Page 5 of the Parts Catalog.

Parts Distributor Cancellation

Due to a recent death in the family, the owners of Hawkins Feed and Seed in Roswell, Georgia, will not be a parts distributor as previously announced. However, the firm will continue to operate as a franchised Elec-Trak tractor dealer. Dealers in the south should consult Page 5 of the Parts Catalog for other nearby parts distributors.

E20 Troubleshooting

Problems may develop in the E20 Elec-Trak tractors that can be traced to the wire connectors on Card No. 4. The wire ends contained in that connector may cause poor contact with the copper pads on the printed circuit card. Some of the symptoms caused by these poor connections are an open field, one speed forward, one speed in reverse, loss of FW coil voltage, inoperative cruise control or other circuits controlled through Card No. 4.

Poor connections are evidenced by the lack of a "scratch" mark on one or more pads of the card or a blackened pad indicating overheating or misalignment of the terminals within the connector. Any of these problems can be corrected by slightly prying out the terminal to increase its contact pressure or replacing the terminal and cleaning the copper pads of the card. The replacement terminals are ordered as 243A4823P1 - Contact Terminal.