



### PRODUCT SERVICE BULLETIN NO. 72-24 (24)

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#### SERVICE BULLETINS

"Hot Line" discussions reveal that numerous Elec-Trak service personnel are not provided with service bulletins and technical information regarding servicing, updating, etc. Since this information is considered very important, we urge you to pass the details on to whoever requires it. If parts are involved, don't forget your parts man.

#### REDUCED RUNNING TIME

Any customer complaints of reduced running time with Elec-Trak tractors can usually be placed in three categories:

1. Improper operation and/or maintenance.
2. Incorrect assembly or adjustment.
3. Component failure.

Speak to the operator if possible to establish the exact complaint, determine the pattern of use and charging, and the symptoms and conditions just before or at the time of the problem. Weigh all of the facts carefully, but never jump to conclusions or be misled by the customer's insistence that the problem is in a particular area. Develop a logical step-by-step approach to analyze the situation.

The following list is in the order of the above categories. These are general rules and may not all be applicable to all models:

#### Operation and Maintenance

1. Is equipment being operated with both the range selector and speed control in the recommended position?
2. Is the unit placed on the proper charge cycle immediately after use?
3. Is the power disconnect engaged (locked in) during charging?
4. Is the manual reset tractor circuit breaker or the household fuse or circuit breaker "open" preventing charging?

5. Is the operating area unusually hilly or rough and/or is the cut too low?
6. Is the grass typical and is it mowed frequently?
7. Is there a grass build up in the mower housing?
8. Are the mower blades sharp?

#### Assembly and Adjustment

9. Are the mower blades mounted upside down?
10. Are the mower motors rotating in the wrong direction?
11. Is a mower adjusted so blades are level?
12. Is a mower wheel or roller binding?
13. Has the tractor been lubricated recently?
14. Are the tires inflated as recommended?
15. Are all battery cell electrolyte levels above the plates?
16. Is the brake dragging?
17. Is the drive belt(s) slipping?

#### Component Failure

18. Does the drive motor have an open field circuit in any of the speed control positions?
19. After charging, is the specific gravity of all cells normal (not lower than 1.220 if others are 1.260 or more)?
20. Is there a bad battery as indicated by battery voltage measurements during discharge testing?
21. Are any of the control psects missing?
22. Is there a short to the frame?
23. Are there any loose battery clamps or heavy gage wire terminations (shunt, power resistor, motor, power disconnect, etc.)?
24. Are the front tractor wheels free running?
25. Is there any unusual noise or vibration coming from the drive motor or the mower motors?