



# **Elec-Trak**

**Garden Tractor**

## **PRODUCT SERVICE BULLETIN NO. 72-19 (19)**

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*see also Bulletin #16  
dated 2/4/72*

### **E-15 AND E-12S REVERSE RELAY**

#### **TROUBLESHOOTING GUIDE FOR ELEC-TRAK TRACTOR MECHANICS**

This troubleshooting guide is provided to enable the Elec-Trak tractor mechanic to rapidly find the cause of burned reverse relay contacts in the E-15 and E-12S. Mechanics should keep this list in their Product Service Manual in the beginning of the Service Bulletin section, along with the Reverse Relay Failure Check List previously received.

TROUBLESHOOTING GUIDE - Find condition under which relay failure occurred.

- A. Returning speed control lever to neutral from forward.  
Check #4, 7, 10.
- B. Returning speed control lever to neutral from reverse.  
Check #3, 4, 6, 7, 10.
- C. Changing direction from forward to reverse.  
Check all steps.
- D. Changing direction from reverse to forward.  
Check #1, 2, 3, 4, 6, 7, 10.
- E. Impact occurred in forward.  
Check #1 and 2.

Note: Impact may cause top and center points to burn without any other cause. Replace relay.

- F. Impact occurred in reverse.  
Check #3, 4, 6.
- G. Applying brake in reverse.  
Check #3, 4, 6.

Note: If check 3, 4, 6 reveals nothing, take model and serial number and call "Hot Line".

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**GENERAL ELECTRIC**



