



# Elec-Trak<sup>®</sup>

Tractor

## PRODUCT SERVICE BULLETIN NO. 72-26 (26)

### Large Frame Charger Sub-Assembly Components

1. Replacement transformers for large frame (E12, E15, E20) chargers are now equipped with two additional wires which eliminates the need for commoning bars in plug and jack P4-J4 connecting the timer assembly to the charger sub assembly. When these transformers are used as replacements in older tractors, the dummy pins and commoning bars should be removed from plug P4 and discarded.

One set of transformer wire terminals whose wires are banded together should be placed into positions 1 and 2 of plug P4 while the terminals of the other banded set of wires should be placed into positions 7 and 8. The wire terminal grounding the transformer should be placed in plug P4 position 6. This transformer carries the same part number as the former part - 163B9955P1.

2. Replacement transformers for all models having serial numbers beginning with HN or earlier in the alphabet or the JN series with the next two digits of 21 or less should be ordered as part number 163B9917P1 which must be used in conjunction with capacitor 243A4514P1 (stamped 20  $\mu$ f), unless the charger sub assembly has been replaced with the molded plastic base type which requires transformer 163B9955P1 and capacitor 243A4653P1 (stamped 4  $\mu$ f). The latter transformer and capacitor are found on other large frame tractors not included in the above categories.

3. The molded base, part no. 211A3510P2, may be substituted for the wooden base. Components can be easily transferred, but in order to fit the existing mounting holes, the capacitor must be turned at a slight angle in the same general location to accommodate the mounting bracket holes.

Use of the molded base or the charger assembly 423D225G1 (with molded base) requires the

drilling of one additional mounting hole in the frame. Location of this hole can be marked by placing the charger assembly in the tractor and securing it with one mounting bolt in the base/frame holes that align. A scriber or punch can then be used to mark the frame at the second hole.

### Card #1 and #3 Edge Terminals

Failure of Edge Terminals on Card #1 and #3 has chiefly involved E12, E12S, E15, and E20 model Elec-Trak tractors bearing serial numbers whose second character is an N or P and some units of the AR and BR series. When tractors in these categories are serviced, inspection of all edge terminals should be made and replaced if they show signs of loosening, or are made of brass as opposed to the recommended phosphorous bronze variety. To determine the material it is necessary to file or scrape away the plating to show the base metal color. Comparison of color can then be made with the correct replacement terminals which carry the Part No. 243A4569P1.

Replacement of the brass edge terminals before failure as a preventive maintenance procedure can save future service time and parts and prove to be a real asset in good customer relations. As these terminals are replaced, a record of owners and serial numbers should be made for ready reference to keep track of replacements.

### Before Reclosing Upper Control Panels

When service is performed in the upper control panel area, carefully reposition all wiring at the left side of the control cabinet so all wires clear the power disconnect. Since the fusible link (FU-1) on the power disconnect may become hot under normal conditions, any wire touching it may eventually short if its insulation is burned.

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