

# POWERSTAT® VARIABLE TRANSFORMERS

## BRUSH INSTRUCTIONS

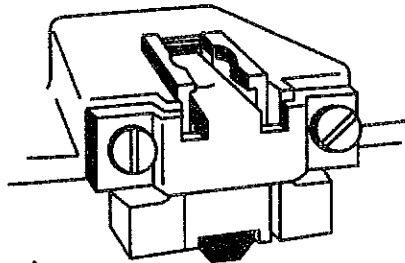
For all types of the 116C/B - 216C/B, 117C/B - 217C/B Series,  
116C/BU-40 Series, 3PN116C/B - 3PN216C/B, 3PN117C/B - 3PN217C/B Series,  
L116C/B Series and L2M116C - L2M216C Series

To gain access to the brushes, proceed as follows:

- **Screened Models** - Loosen the knob setscrews (2) and remove the knob. Remove screen screws and screening. Remove brush insulator assembly.
- **L Models** - Remove six side screws holding the top cover on. Remove top cover.
- **L2M Models** - Remove four bottom screws holding the feet and cover on. Remove the cover.

To Replace the brushes, proceed as follows:

1. Unfasten the two brush anchor screws, remove and discard the old brush assembly.
2. Insert the new brush assembly. Be sure that the tang on the back of the brush assembly goes under the overhang at the rear of the radiator slot. Replace and tighten the brush anchor screws.
3. Raise the brush and place a piece of sandpaper (grit #400 or finer) between the brush and the commutator with the abrasive side against the brush.
4. While holding the sandpaper in place (flat), rotate the brush through a short arc about four times. Remove the sandpaper and blow out any remaining carbon particles.
5. Rotate the brush over the full range several times to check for smooth travel and to be sure the brush fits flat to the commutator over the full range.



### REPLACEMENT BRUSH ASSEMBLIES

TYPE	PART NO.	DESCRIPTION
116C/B - 117C/B, 3PN116C/B - 3PN117C/B, L116C/B & L2M116C	065431-001	RB116C/RB116B/RB117C/RB117B
216C/B - 217C/B, 3PN216C/B - 3PN217C/B, L2M216C	065431-002	RB216C/RB216B/RB217C/RB217B
116C/BU-40	065431-004	RB116C-40/RB116B-40



The right to make engineering refinements on all products is reserved.  
Dimensions and other details subject to change.