

# **The Vibroplex Company Inc.**

## **MODIFYING THE BRASS RACER EK-1 TO A STANDARD BRASS RACER KEY**

**(if built-in keyer cannot be fixed)**

1. Cut wire off PC board as close to board as possible. Remove board completely.
2. Leave cut end of wire in the wood base.
3. Strip @ two inches of outside cover from wire.
4. Strip @  $\frac{3}{4}$  inch off three individual wires.
5. Solder three #8 lockwasher solder lugs (Vibroplex P/N 6073) on ends.
6. Position metal base in correct alignment over the wood base. Fold back on table as a mirror image to install wire.
7. Remove one center block screw (P/N 21) and place ground (bare) wire on it. Tighten screw. Screw will be in contact with metal base.
8. Remove left contact block screw (P/N 20) and attach the BLACK wire solder lug between screw head and washer. Do not let the lug touch the metal base! Tighten screw in contact post.
9. Remove right contact block screw (P/N 20) and attach the RED wire solder lug between screw head and washer. Do not let the lug touch the metal base! Tighten screw in contact post.
10. Align the metal base over the wood base and tighten base screws (P/N 22).
11. Test key to see that wiring is correct. Dits are made with thumb to left paddle and dahs with finger to right paddle for right-handed operation. **If this is not happening, open base and reverse wires in Steps 7 and 8.**