

# **CASE DETUNES TRANSMITTER**

**Why does the transmitter alignment shift when the unit is reinserted into the case? I have received this question many times.**

**There is always some minute effect of returning to case. The primary cause is corrosion of the chassis. As a general rule, for any rig that comes to the repair bench, attack the screws and other mounting hardware. That is, loosen the screws apply a drop of d-oxid and retighten the screws. The screws mounting the "DRIVER TUNE" variable capacitor are prime offenders. The nuts holding the PA enclosure need attention. Loosen, d-oxid and tighten every screw you can get at. Don't forget to attend to the gnd connections for the input and output jacks on the rear of the unit.**

**Inspect the case itself. Inside the case on the bottom side rear, is a spring tab. This tab contacts the PA enclosure and applies a gnd. Some times the tab is missing. A new one can be made from beryllium copper. Quite often it gets painted when the case is repainted. There are 4 retaining screws that secure the unit in the case. There should be bare metal around each of these screw holes inside and out side of the case. And finally, these 4 screws should be installed with star-washers.**