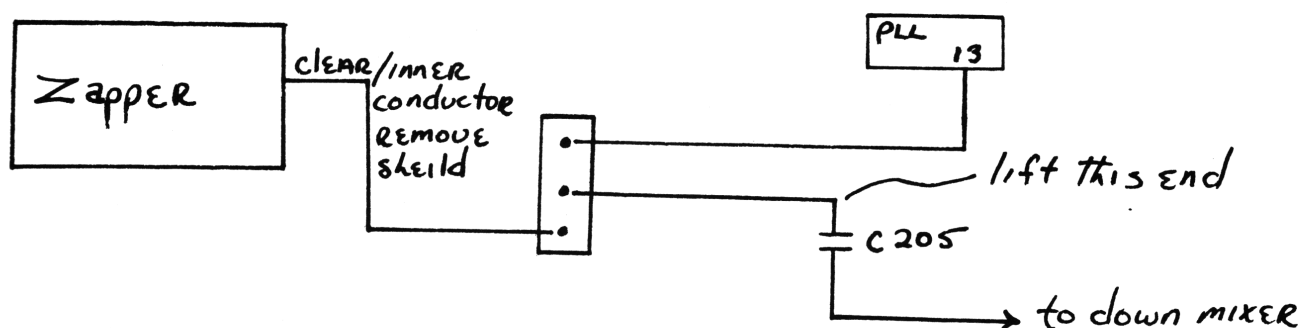


ZAPPER INSTALLATION HINTS

Sometimes a seemingly simple conversion, such as installing a Zapper 9000 kit turns out to be a 'tough dog'. Let me share a little bit of wisdom gained from experience on the bench. The radio in question is a Midland 77-101C. Could'nt get HI or LOW channels by inserting the Zapper leads in place of C205 as directions state. Here's what I did. I lifted the end of C205 connecting to join pin 13 of the PLL. Inserting it here gave NORMAL channels and HI channels but the LO channels were unstable. Adjusting VCO didn't help stability (frequencies were there but not stable). Disconnection of the shield solved the stability problem. However, then we would lose NORMAL channels. So we added another SPDT switch as shown:



To get full coverage from 26.515 to 27.855 I replaced D201 Varactor with a Super Clarifier Diode (order our item #28), and adjusted L203.

To check out the Zapper, use frequency counter. Connect input to the center wire and ground to the BLACK wire. You should read 15.810, 14.910, or 14.905 depending on which model you buy.