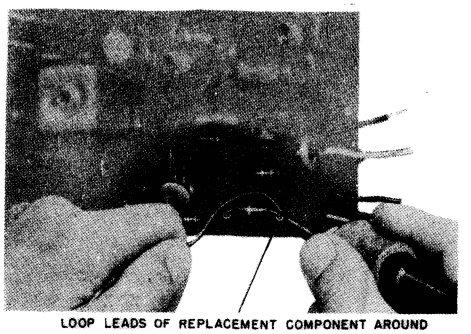

FIGURE 4. Soldering Replacement Resistor in Place.

2. Insert a screwdriver between the wiring foil and the "bent-over" component lead and bend the lead perpendicular to the board. (It may be necessary to apply the soldering iron to the connection while performing this step as it is sometimes difficult to completely break the connection by brushing.) Do not overheat the connection.

3. While applying the soldering iron to the connections, "wiggle" the components until it is removed.

4. Remove any small particles of solder imbedded in the panel.

5. A thin film of solder may remain over the hole through the board after removing the component. Pierce the film with the lead from the new component after heating the solder film with the soldering iron.

6. Insert the leads of the new component through the holes provided. Cut to desired length and bend-over the ends against the copper foil. Resolder the connection with 60/40 low temperature solder.

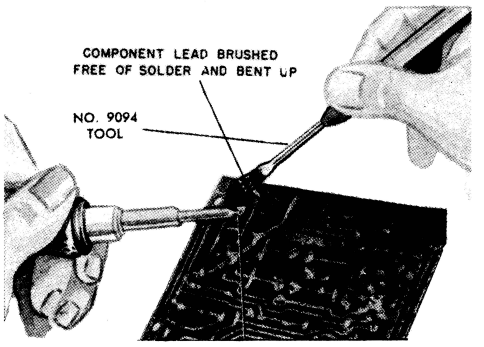

FIGURE 5. Removal of Component Mounted in Such a Manner That its Leads Cannot Be Cut to Free it From the Board.

REPLACING COILS

The terminal lugs of these components are not "bent-over" against the foil in most cases. Therefore, brushing is not necessary. Heat one connection until the solder becomes molten and wiggle the coil back and forth until the connection is broken. Continue wiggling and apply the soldering iron to the other connections and lift the coil from the board while the solder is still molten. Insert the replacement coil in the exact same position and solder the connections.

REPLACING RATIO DETECTOR AND IF TRANSFORMERS

There are usually seven or eight soldered lugs on a ratio detector or transformer and six on the radio IF Transformers. Replacing these components requires more time and patience than required for the other components. The following procedure is recommended.

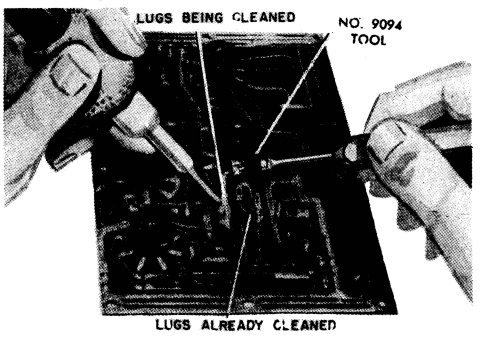

FIGURE 6. Removing Defective Can Mounted Transformer.

1. Apply the soldering iron to one of the connecting lugs. ***See Figure 6.***

   Note: On some transformers, it will be necessary to bend the mounting lugs perpendicular to the board while the solder is molten, so as to be able to brush away the solder.

2. Cut off the transformer lugs as close to the board as possible. Repeat step (1). Clean away any specks of solder which might be stuck to the panel. ***See Figure 7.***