THIS KIT MUST BE PROPERLY SOLDERED!

WORK . . . just as a suit of clothing will fall apart if the stitches are loose . . no matter how excellent the material WITHOUT GOOD SOLDERING, AN ELECTRONIC UNIT WILL NOT

USE ENOUGH HEAT

rounded ball, you are not using enough heat. If you do not use enough connection shows under the solder. If the solder barely melts and forms a can travel. To do this you must apply enough heat to the metal surfaces to heat, there may be no electrical connection, although it appears soldered make the solder spread freely on them, until the contour (shape) of the join metal parts, making an UNBROKEN metal path over which electricity This is the main idea of good soldering. The purpose of soldering is to

HERE'S HOW TO DO IT . . .

- Join bare metal to bare metal. Insulation must be removed.
- 2. Coat the tip of a hot iron with solder
- 3. FIRMLY PRESS THE FLAT SIDE OF THE TIP OF A HOT IRON FLAT SOLDERED. Use only enough solder for it to flow over ALL the surfaces the solder BETWEEN THE IRON TIP AND THE METAL TO BE against the parts to be soldered together. Keep it there while you apply of the connection. Remove the iron.
- 4. DO NOT MOVE PARTS UNTIL THE SOLDER HARDENS. If you accidentally move the wires as the solder is hardening, apply your iron and reheat.

following the shape of the surfaces. It should appear smooth and bright. connection if your solder has flowed over all surfaces to be connected, Compare your soldering with the pictures on this page. You have a good

of spreading. rough and flaky-looking, or if the solder has formed a round ball instead YOU HAVE NOT USED ENOUGH HEAT: If your connection is

applied. Remember, larger metal surfaces take a longer time to heat. ing (not enough heat,) is just a few extra seconds with a hot iron FIRMLY The difference between good soldering (enough heat) and poor solder-

USE A 100-WATT IRON

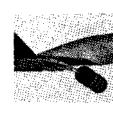
with a cloth. (If you use a soldering gun, be sure the tip reaches full heat the tip brightly coated with solder. When necessary, wipe the hot tip clean in the picture. Heat the iron for 10 minutes before you start soldering. Keep the right amount of heat when used correctly. Notice how the iron is held before you solder.) A 100-watt soldering iron with a clean, chisel-shaped tip will supply

USE ONLY ROSIN CORE SOLDER

other kind of solder! USE OF ACID CORE SOLDER, PASTE, OR IRONS CLEANED ON A SAL AMMONIAC BLOCK WILL RUIN ANY ELEC-TRONIC UNIT AND WILL VOID THE GUARANTEE We supply the right kind of solder (rosin core solder). Do not use any



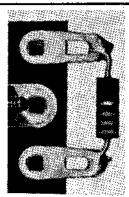
to bare metal



2. Press FLAT side of a HOT iron



3. Apply solder iron and connection BETWEEN





Compare your soldering with these pictures

THE ONE-TWO-THREE OF GOOD SOLDERING