

CRAFTSMAN

Electric Soldering Gun...

REG. TRADE-MARK

CRAFTSMAN 100

NEW

Trigger-Fast Performance

SEARS
ROEBUCK AND CO.

OPERATING INSTRUCTIONS for Your ... CRAFTSMAN SOLDERING GUN

► Special features found on your craftsman soldering gun

- A. A HI-LO Control Knob which allows you to pre-select the best working temperature suited for your particular job.
- B. Perfect balance which allows you to work for long periods with less fatigue.
- C. A pilot light which illuminates the area you are working on and also indicates the gun is on.
- D. Contoured trigger control for instant warm-up and automatic shut-off.
- E. Specially designed slim tip for those hard-to-work-in areas.
- F. Easy grasp of handle when laid on bench.
- G. Comparatively noise-free construction.
- H. Low temperature rise coil for prolonged comfortable use.

PRELIMINARY INSTRUCTIONS BEFORE USING

Your tip should be tinned before using for good soldering work. To tin the tip, depress the trigger and apply flux-core solder until it begins to melt. Continue applying solder for 3 or 4 seconds and release the trigger, applying solder until the tip cools. Wipe off excess solder and flux. If the tip is not thoroughly tinned, repeat the above procedure.

THE BEST WAY

to solder is with your Craftsman Soldering Gun.

WHAT IS SOLDERING?

Ordinary soft solder is a fusible alloy, consisting essentially of tin and lead, and is used to join two or more metals through a chemical action. A solder joint partially converts the solder to a new and different alloy, forming a complete metallic contact.

A fusing action between two metals requires sufficient heat, hot enough to melt the solder.

Proper preparation of the metals before soldering is essential. Surfaces must be cleaned by wire brushing, scraping or sanding.

Upon applying heat to the metals, the surface becomes oxidized and prevents the fusing action from occurring. To retard the oxidized action, soldering flux is used. Flux core solder has the proper amount of flux and is recommended for most soldering jobs.

HOW TO SOLDER

Select the HI or LO setting best suited for your requirements. A LO temperature setting delivers 100 watts of power and is recommended for TV, radio, hi-fi repair and printed circuit work. A HI setting delivers 130 watts of power and is recommended for tile cutting, heavy wire connecting and sheet metal work.

Place the nose of the tip on point to be soldered. Squeeze the trigger and feed a small amount of flux-core solder on the nose of the tip at the contact point. The melted solder conducts heat from the tip to the metal to be soldered. Feed additional solder until it melts and flows freely. Move the tip back from the work and release the trigger.

CAUTION: Release the trigger when the tip is not in contact with the work to prolong the life of the tip and to prevent corrosion, which would require cleaning and retinning of the tip.

HOW TO CLEAN THE TIP

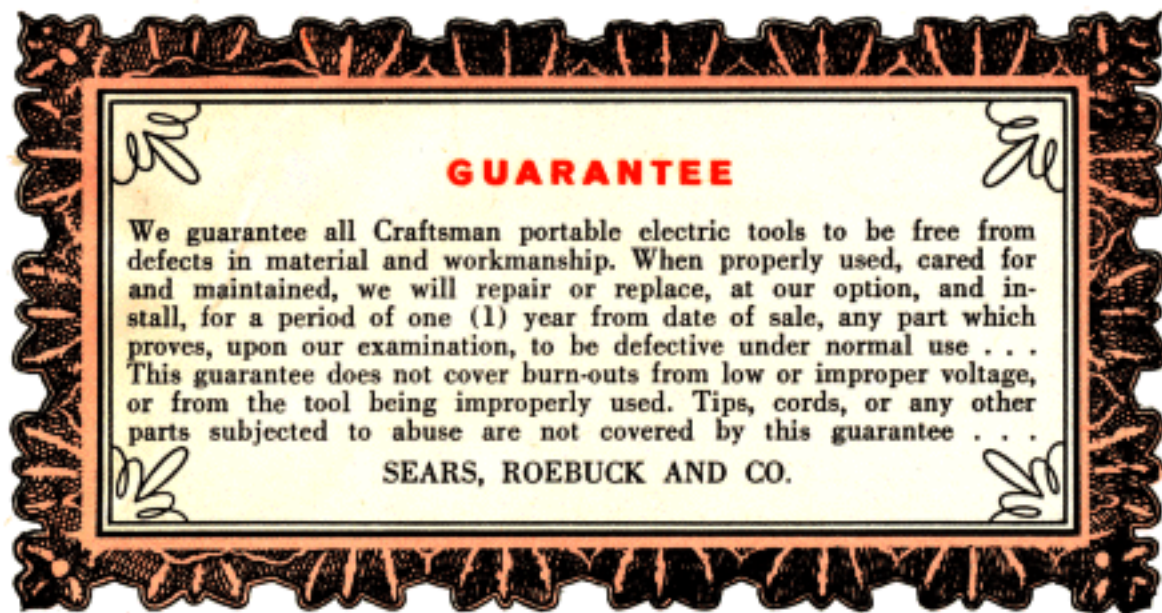
Rub lightly with steel wool, fine sandpaper or a wire brush. DO NOT USE A FILE. After the nose of the tip is thoroughly cleaned, depress the trigger and apply flux-core solder until it begins to melt. Continue applying solder for 3 or 4 seconds and release the trigger, applying solder until the tip cools. Wipe off the excess solder and flux. If the tip is not thoroughly tinned, repeat the above procedure. To keep tip clean while using, wipe the tip periodically on a moist cloth or sponge.

HOW TO REPLACE A TIP

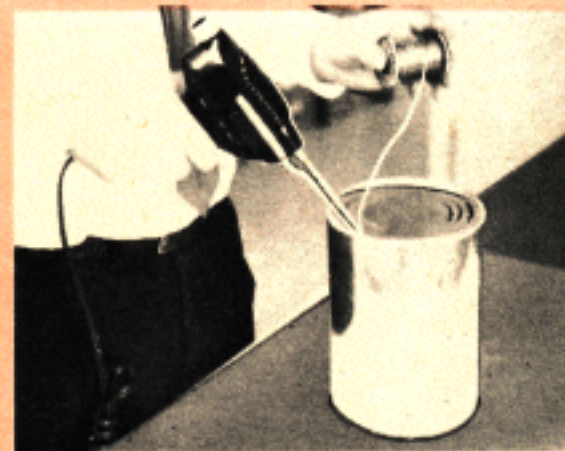
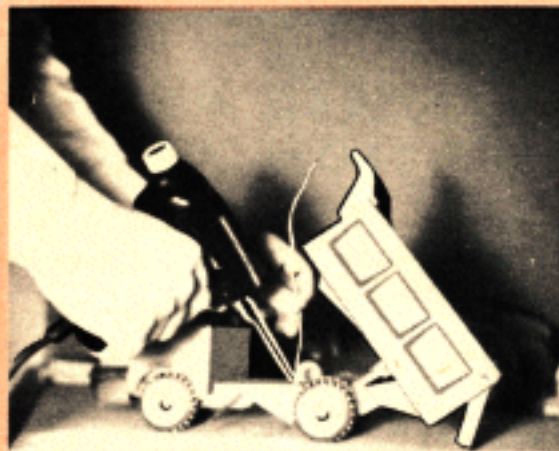
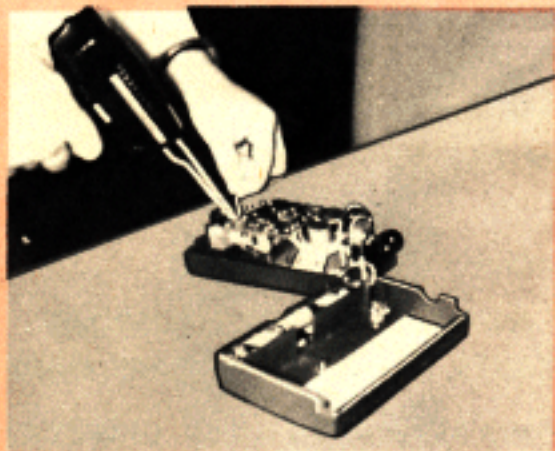
Loosen the bushing screws one to one and one-half turns. Remove the existing tip, insert the new one and retighten. The screws must be sufficiently tight to hold the tip and to provide good electrical contact.



*SEARS, ROEBUCK AND CO. and
SIMPSONS-SEARS LIMITED in Canada
back up your investment with quick
service on genuine CRAFTSMAN
replacement parts.*



DIFFERENT TYPES OF APPLICATION for the SHOP - HOME & FARM



PARTS LIST DESCRIPTION

Key No.	Part No.	Description
1.	104	Straight Tip
2.	122	Case (Left Section with Model No. Data)
2.	123	Case (Right Section with Craftsman Label)
3.	110	Pilot Light
4.	111	Pilot Light Socket
5.	109	Trigger
6.	114	Trigger Switch
7.	117	Cord Set
8.	125	Case Screws
9.	113	Two-Heat Switch
10.	0242	Control Knob-Cam Assembly
11.	0211	Transformer Assembly
12.	116	Tip Connector Bushing Screws

MODEL No. 166.52800



WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The Part Number
 2. The Part Name
 3. The Model Number - 166.52800
 4. The Name of Item - Electric Soldering Gun
- DO NOT USE KEY NUMBERS WHEN ORDERING REPAIR PARTS, ALWAYS USE PART NUMBERS**

SEARS, ROEBUCK AND CO., U.S.A./IN CANADA, SIMPSONS-SEARS LIMITED

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