

SEE'S NOT OFF  
MADE IN U.S.A.  
**Gillette**  
KNOW THE WORLD OVER  
PATENT NUMBERS  
1,880,888 - 1,882,887 - 1,876,808  
1,882,888 - 1,882,889  
1,882,890 - 1,882,891  
OTHER PAT'S. PENDING



**Gillette**

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This is a reproduction of actual radios that our soldiers built in the line of duty in WWII. The fellows robbed parts, wire and headphones from any source they might obtain. The "boys" were extremely interested in keeping in touch with the "outside world", and this was a fine way of accomplishing it. Have fun with your kit, it's simple and actually works! You will need a few additional supplies:

- \* Awl or Ice Pick
- \* Knife or Wire-strippers
- \* Medium-size Needle-Nose Pliers
- \* Medium-size Wire-Cutter
- \* Small Hammer
- \* Antenna and Ground (see back of manual)
- \* Headphones
- \* Fine Sandpaper, 100-150 grit
- \* Acrylic, Clear-Coat, Spray or Brush, or "Coil-Dope"

### Assembly:

- 1) Locate: "Parts List". Spread-out, all the Parts, in front-of you, and sort them, following the Parts List. Sorting the part into an empty Egg Carton, or some thing similar, might be handy. Familiarize yourself with the PARTS.
- 2) Follow each step, carefully, and Check-Off each box, as you go-along. Start with winding the Coil, below. This is a MOST CRITICAL part of the assembly procedure. Make certain: Windings are; TIGHT & EVEN.

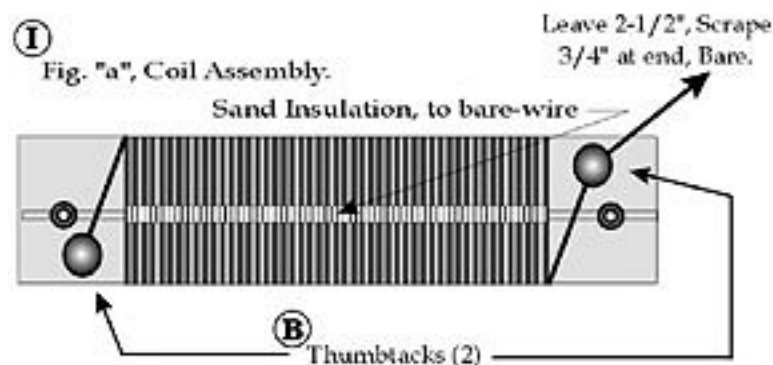


Fig. #1, Coil-Winding Details.

Coil Assembly, Check Boxes, as each step Completed:

- |   |  |
|---|--|
| <p><input type="checkbox"/> 1 Locate: 3/4" x 3/4" x 4-3/8" Coil-Form.<br/>Locate: Supply of 28ga. Coil-Wire.</p> <p><input type="checkbox"/> 2 See Fig. "a" above, and wrap end of Coil-Wire around thumbtack inserted firmly into coil form.</p> <p><input type="checkbox"/> 3 See Fig. "a", and start winding-wire around the Coil-form, in a clockwise-manner. Wrap the turns, tightly, closely &amp; evenly, as shown in Fig. "a". Wrapping TIGHTLY &amp; EVENLY-IMPORTANT.</p> | <p><input type="checkbox"/> 4 When You've wound enough turns to span 3-1/4" (approx. 225 turns) then wind wire around another thumbtack and leave 2-1/2" as shown in Fig. "a" and scrape as shown.</p> <p><input type="checkbox"/> 5 Coat the Finished Coil, with 2 or 3 coats of Acrylic-clear Laquer, and let thouroughly dry.</p> <p><input type="checkbox"/> 6 See Fig. "a", Use a fine sandpaper (approx 100 grit), and sand all the enamel insulation, from the wire, on the edge of the Coil, as shown.</p> |
|---|--|



Base Assembly:

- 7 See Figure #2 and mount the Coil Assembly "I" to Base "H" with two Nails "G" as shown in the illustration.

- 8 See Figure #2, bend and cut Large Paper Clip "F", and Safety Pin "D" as shown below:



Note: Minor adjustments will be made when parts are mounted.

- 9 See Figure #2, Locate a small piece of Pencil Lead "E" (approx. 3/4"L.), place it at the end of the Safety Pin "D", as shown and wrap securely with about 1-1/2" of bare wire. Remove insulation from a piece of Hookup Wire for use, here.

- 10 See Figure #2, mount parts and wire the rest of the Radio, as shown. When adding the Hookup Wire, strip and wrap the wire around the Thumbtack "B" and push, securely into Base "H" board. Adjust Slider (jumbo paperclip-bent as shown) to slide across top of Coil Assembly "I", making a good contact to the bare wire-portion of the Coil Assembly "I". Adjust Safety Pin "D" to rotate and make a proper contact to all spots on the Razor Blade "C". This completes the assembly, proceed to "Operating Set".

Operating Set:

- 11 See back of Manual for "Antenna and Ground" information. Connect Antenna and Ground to proper terminals. Connect Headphones (high impedance type) to proper terminals. Put-on your headphones and set the "Slider" "F" to midpoint on the Coil Assembly "I" and move the Safety Pin "D" around on Razor Blade "C", until you hear a station(s). Hint: It helps if the Razor Blade "C" is completely free of any "oil" or "film" and is "oxidized" or a little "rusty". The aforementioned makes a much better "semiconductor" which is necessary for "Detection" of signals. Slide Paper Clip "f" back and forth on Coil Assembly "I" to help separate stations. Don't expect "Earbusting" volume or an amazing separation of stations. The unit is "crude" and very basic, at best. The neat thing is....listening to radio on a razor blade and the G.I.'s did it in WWII. Have fun!

- 12 If unit does not work: 1) recheck all assembly and wiring, make certain of good contacts under all the Thumbtacks "B", 2) Make certain of your Antenna and Ground being properly installed, and 3) Make certain your Headphone are operating properly and are of the high impedance variety (modern stereo-type headphones will not work).

## Fox Hole Radio, POEX-FH1, Parts List:

Qty.	Key	Description
4	A	#1 Paper Clips
10	B	Thumbtacks, Metal
1	C	Razor Blade, Single-Edge, Steel
1	D	Safety Pin
1	E	Pencil Lead, Small piece
1	F	Paper Clip, Jumbo
2	G	Nail, 1-1/4"L.
1	H	Base Board, 4-3/8" x 6-3/8" x 1/4"
1	I	Coil Assembly, See Figure #1
1	I	Coil Form, 3/4"square x 4-3/8"L.
60'	I	Magnet Wire, 28ga.
18"		Hookup Wire

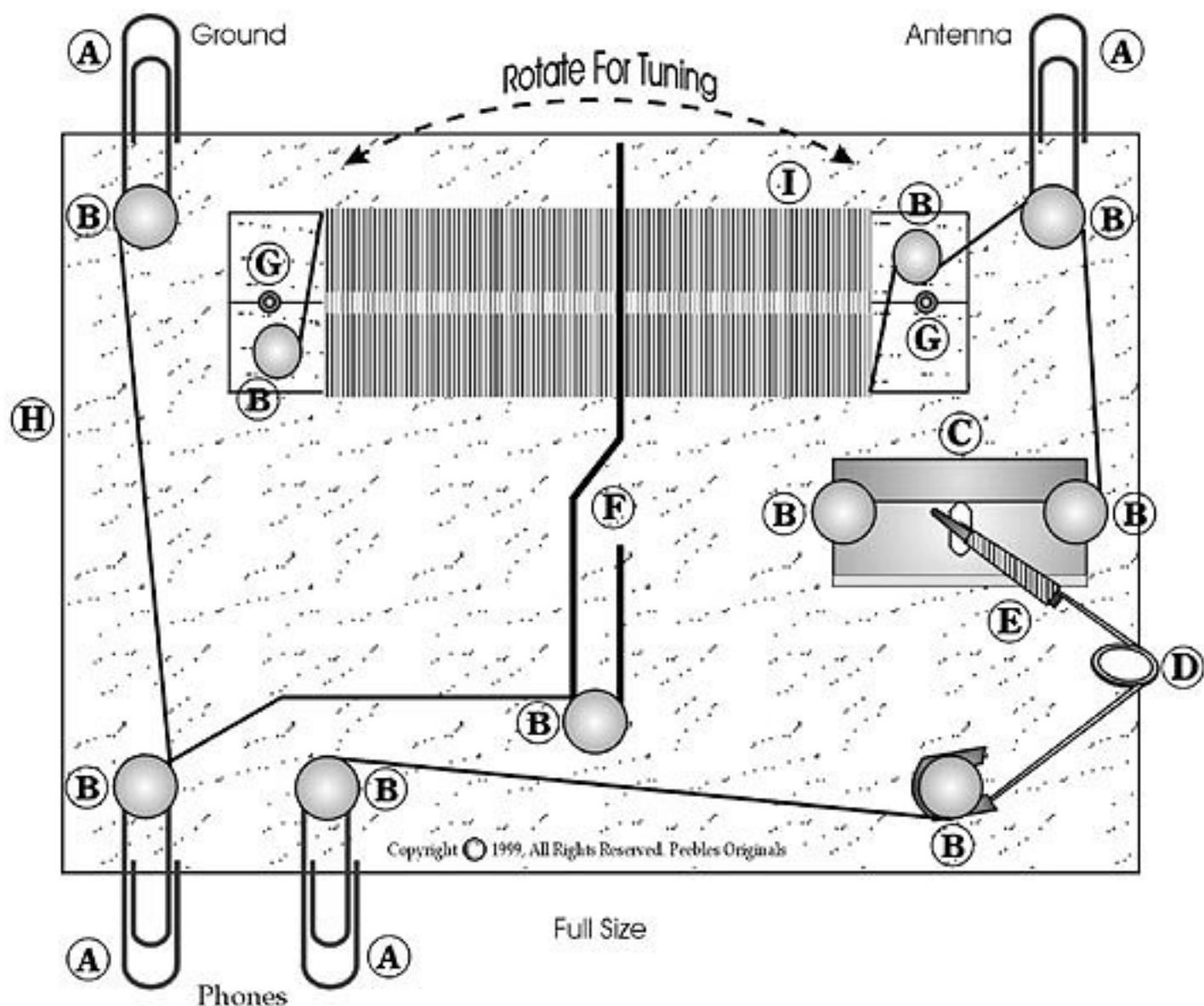


Figure #2, Parts Layout and Placement.