Pack 91 Crystal Radio Project MARCH 2003

Instructions

Step 1 - Coil Winding

- 1. Wind coils as indicated.
- 2. Holes for each coil start have been made.
- 3. Wire ends should be **inside** the tube and extend 4-5" past top of tube.
- You may make holes while winding the coil threading the wire will help the coil lay flat on the tube.
- 5. Label wires with colored dots as indicated on drawing.
- 6. Provided wire is sufficient for both coils with some left over.
- 7. Masking tape may be used to hold wire in place while winding.

Step 2 – Clips & Labels

- Holes for clips have been made including one clip assembled.
- 2. Assemble and attach the 3 remaining clips per example.
- 3. Apply clip labels as indicated.
- 4. Pull ID label for bottom end cap. Insert bottom end cap in tube.

Step 3 - Solder

- Solder each connection as indicated. Use extra wire for Pink and Yellow2 wire sections.
- 2. Trim wire as needed.
- Use sandpaper at wire tip for a good connection.
- 4. Screw grounding block to tuning capacitor before soldering block connections.
- 5. Twist wire on connection then solder, a round solder joint is best.

Step 4 - Assembly and Test

- Attach top end cap to tuning capacitor using two screws.
- Apply dial label and tuning knob to top end cap. You will need small screwdriver.
- 3. Connect ground, antenna and phones at test station.
- Verify radio performance.

YOU ARE DONE!

