



# Elenco Auto-Scan FM Radio Model FM-88K

## Capacitor 22 Replacement

This guide should allow you to remove and replace the capacitor labeled C-22.

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### INTRODUCTION

Nothing is more disappointing than building a radio just to find that it refuses to catch any signal in the FM world. I have come to find that this can occur in the Elenco model when the capacitor, C-22, is either broken or disconnected. This guide should be adequate in showing you how to remove and replace the capacitor.

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#### TOOLS:

- [Solder](#) (1)
  - [Desoldering Pump](#) (1)
  - [Soldering Iron](#) (1)
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## Step 1 — Removing Unnecessary Pieces



- Remove the battery and the antenna.
- Pre-heat the soldering iron.

## Step 2 — Removing the Solder



- Place hot solder iron on thermal pad, capacitor lead, and the mound of solder until solder liquefies.
- Apply desoldering pump to remove the solder from the circuit board.
- Repeat the instructions to remove solder from the adjacent solder mound.

### Step 3 — Removing the Capacitor



- Gently remove the capacitor by pulling the two leads out of the circuit board.

### Step 4 — Installing the New Capacitor



- Place the leads of the capacitor through designated holes of the circuit board.
- Place solder iron on the thermal pad and the lead.
- Once this is done wait a few seconds until both items heat up.
- Once they are heated, apply the solder to the other side so that the solder iron and the solder are not directly touching.
- Wait 3 to 5 seconds or until enough solder covers the whole pad and forms a nice mound.
- Remove the solder, leaving the solder iron on the pad for 2 to three seconds, then remove the solder iron.
- Repeat for the other lead.

## Step 5 — Restoring to Original Condition



- Plug the battery in and attach the antenna to test the radio.

To reassemble your device, follow these instructions in reverse order.