



Cobra 29 LTD Classic Power Port Replacement

This guide will show you how to replace the power port on your Cobra 29 LTD Classic.

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INTRODUCTION

The power connector connects to the power port and provides power to the device. The power port is located on the back of the device. Perform the guide on a flat non-conductive surface to avoid electrical shock and damage to your device.

Some steps in this guide require soldering. For information on how to solder, see the [soldering guide](#).

TOOLS:

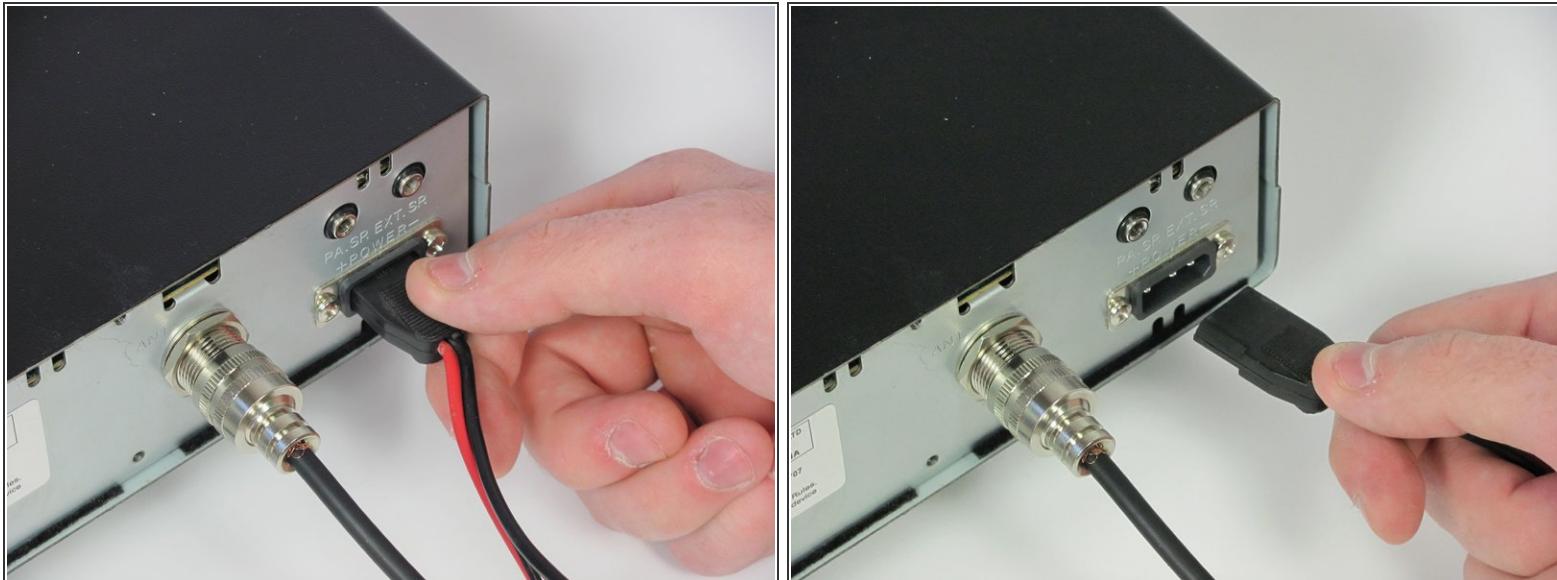
- [Phillips #1 Screwdriver](#) (1)
- [Soldering Iron](#) (1)
- [Desoldering Braid](#) (1)

Step 1 — Power Cable



- Turn the power switch, the leftmost knob, counterclockwise to off.

Step 2



- Turn the device around and firmly pull the power cable plug to remove it from the radio.

Step 3 — Antenna Cable



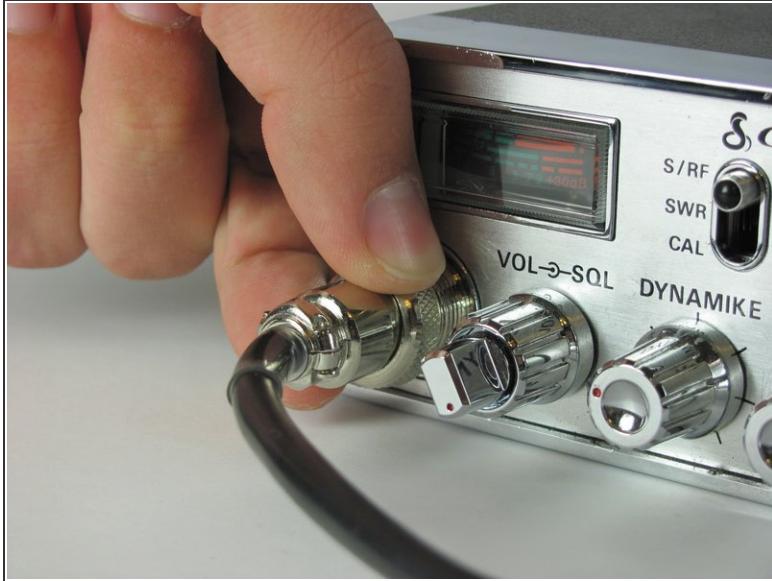
- Unscrew the securing cap counterclockwise from the antenna connector.

Step 4



- Gently pull the antenna cable to remove it from the back of the radio.

Step 5 — Microphone



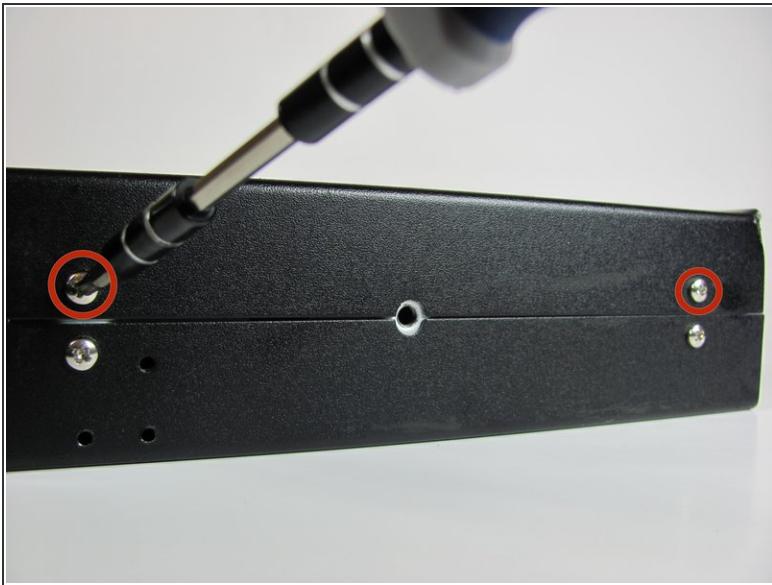
- Unscrew the cap counterclockwise on the microphone plug to disconnect the cable.

Step 6



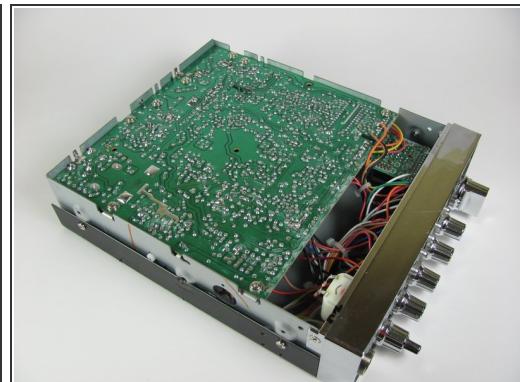
- Gently unplug the microphone plug.

Step 7 — Outer Cover



- Unscrew the top four 6.0mm Phillips head screws counterclockwise on the left and right side of the device using a #1 Phillips head screwdriver.

Step 8



- Gently lift and remove the top cover.

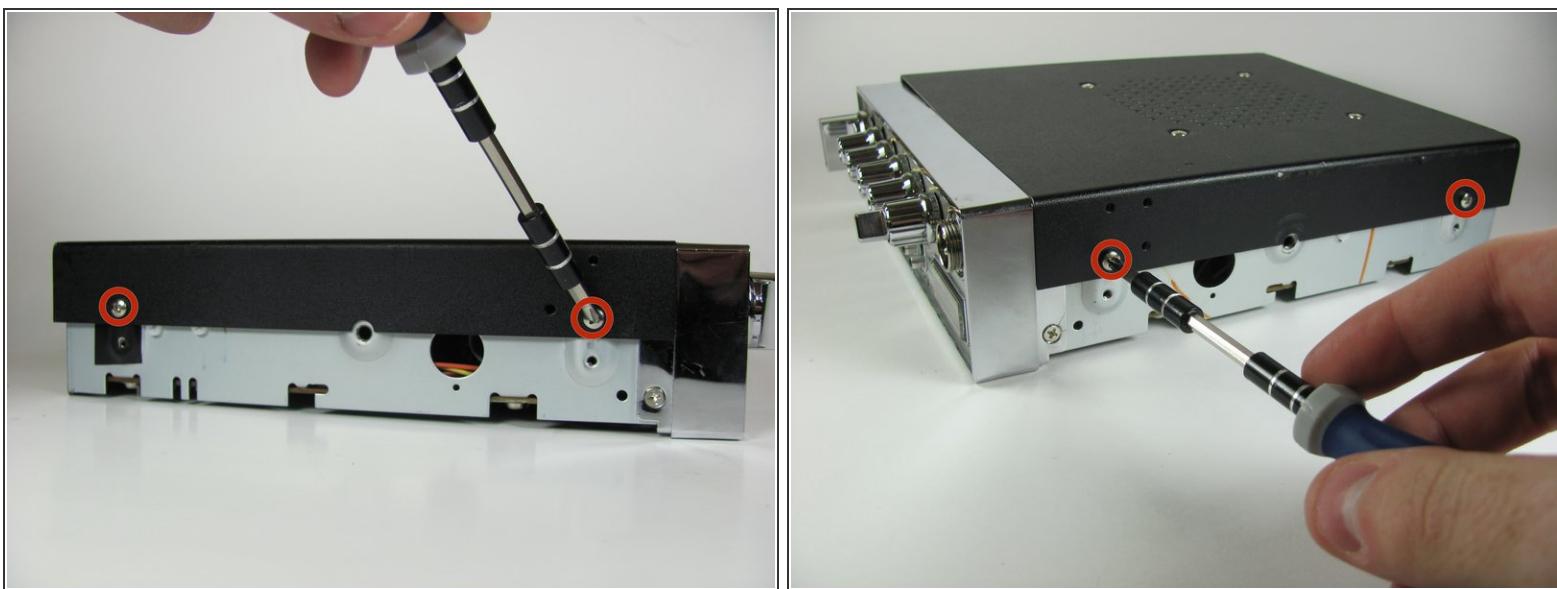
Step 9



⚠ Gently set down on a hard, flat, non-conductive surface to minimize risk of shock or breaking your radio.

- Carefully flip the radio over.

Step 10



- Unscrew the four 6.0mm Phillips head screws counterclockwise on the left and right side of the device that connect the remaining cover, using a #1 Phillips head screwdriver.

Step 11



⚠ Watch out for the wires connected to the speaker. These short wires will not allow you to move the cover very far.

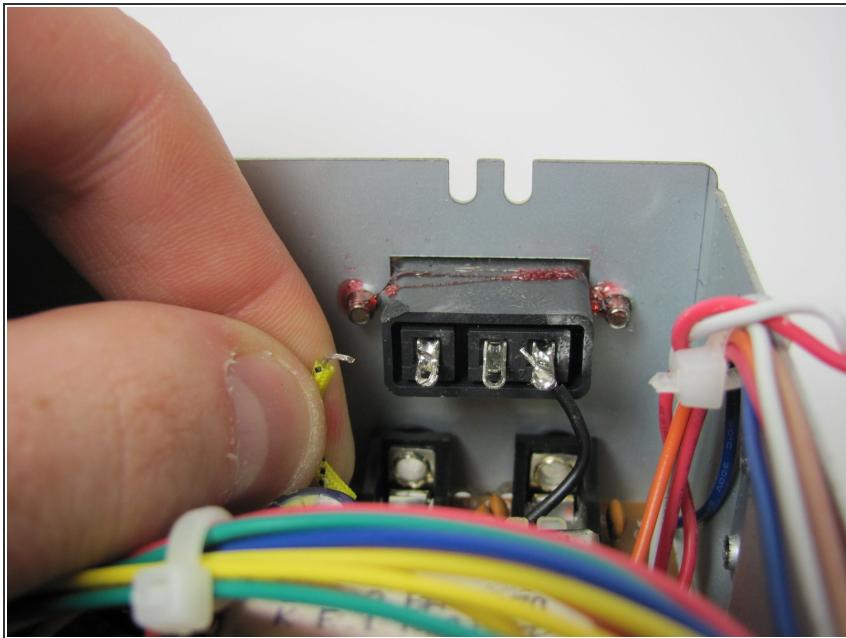
- Gently lift and remove the case cover.

Step 12 — Power Port



- De-solder the yellow wire that is connected to the power port, with a soldering iron and the desoldering wick.
- During reassembly you will need to resolder the components back together.

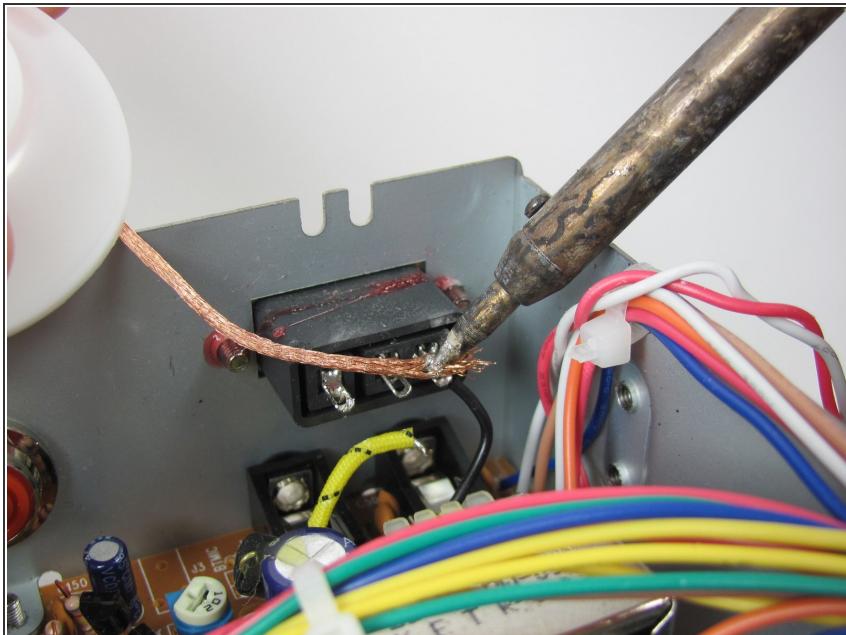
Step 13



⚠ The wire may still be hot, so let it sit for 30 seconds before continuing.

- Remove the yellow wire from the power port.

Step 14



- De-solder the black wire that is connected to the power port, with a soldering iron and the desoldering wick.
- During reassembly you will need to resolder the components back together.

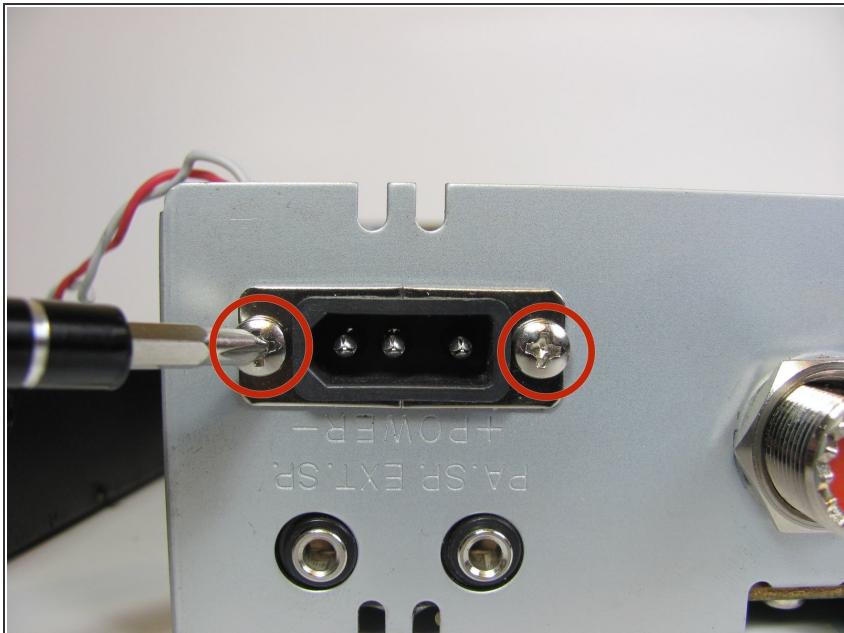
Step 15



⚠ The wire may still be hot, so let it sit for 30 seconds before continuing.

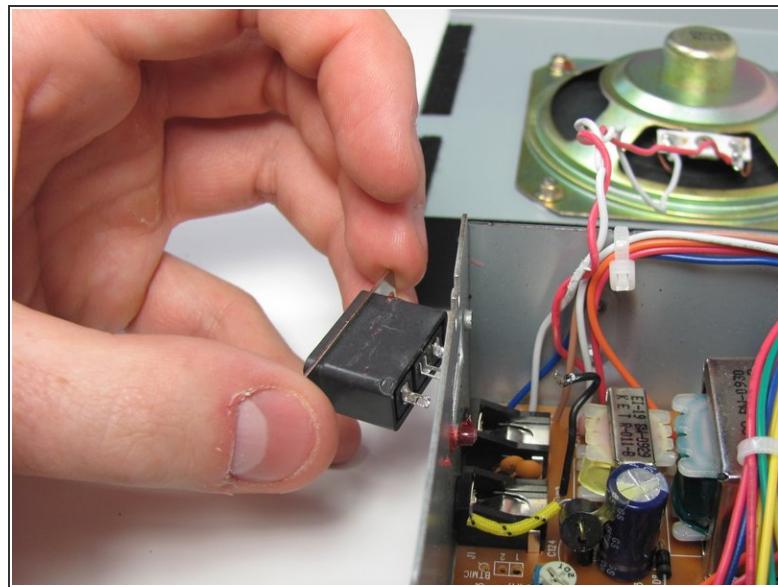
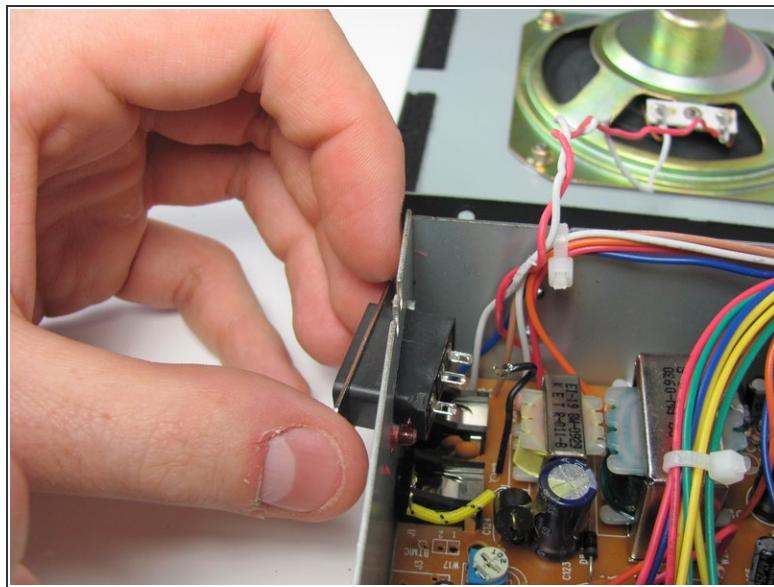
- Remove the black wire from the power port.

Step 16



- Unscrew the two 6mm Phillips screws counterclockwise, using a #1 Phillips head screwdriver.
- If screws have lock-tight glue on them, use a strong force to initially remove the screws from the device.

Step 17



- Gently pull the power port out of the case.

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