



Shure SM58 XLR Connector Wire Repair

This guide will show you how to solder any broken wires back onto the Microphone XLR Connector.

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INTRODUCTION

The XLR Connector is the part of the microphone that plugs into the cable which carries the sound to the sound mixer and speakers.

TOOLS:

- [Flathead 3/32" or 2.5 mm Screwdriver](#) (1)
 - [Soldering Workstation](#) (1)
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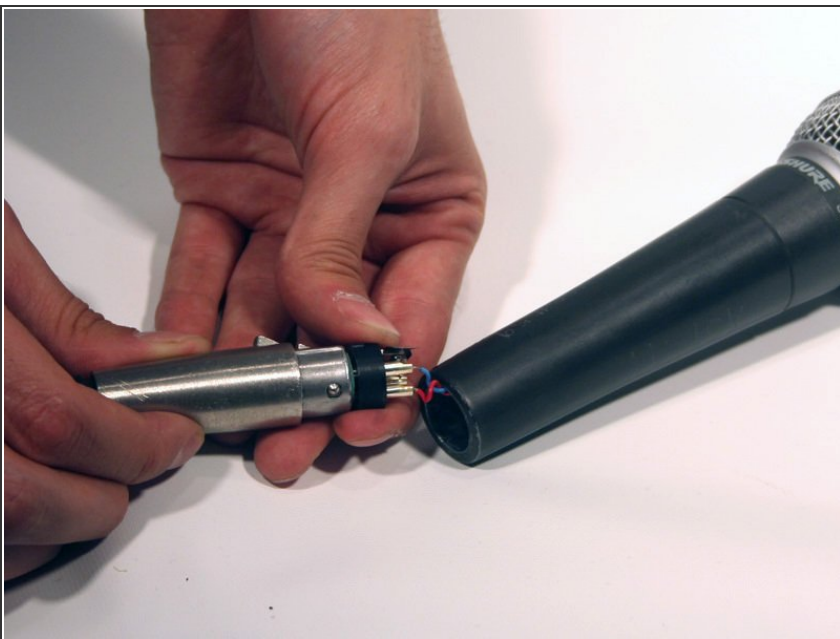
Step 1 — XLR Microphone Connector Disassembly



- Using a small flat head screwdriver, gently turn the retaining screw at the bottom of the microphone counterclockwise until it stops or provides resistance.
- ❗ The retaining screw is mounted to the connector and has a [left-handed](#) thread. Turning the screw clockwise locks the connector in place. Turning it counterclockwise lowers it down into the hole, releasing the connector.

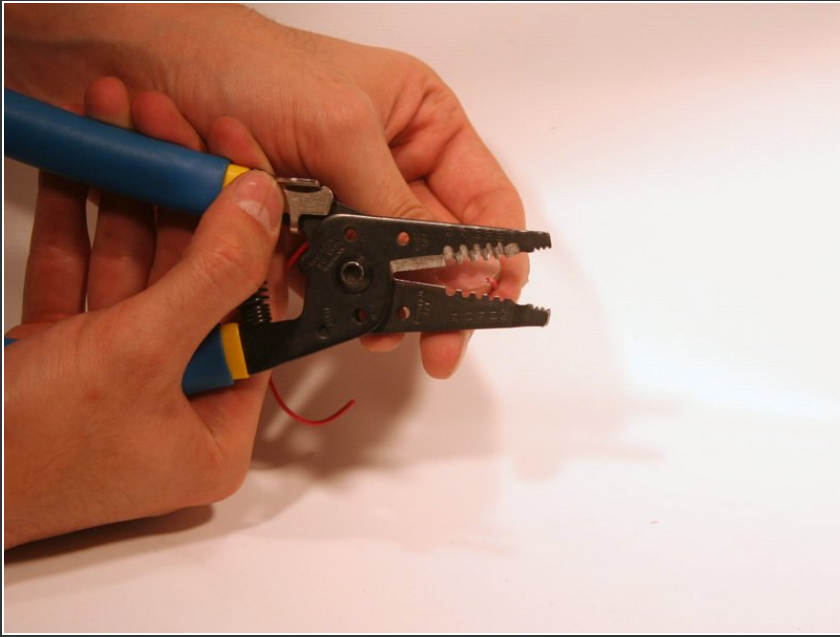
⚠ Once the screw stops, do not try to loosen it further.

Step 2



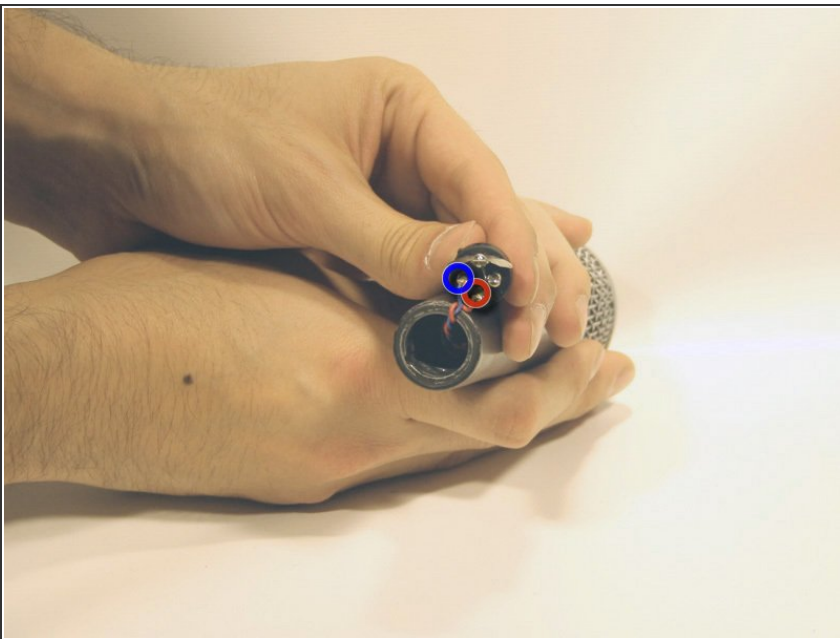
- Plug an XLR cable into the loose connector.
- While holding the disconnect button down, pull on the cable to remove the connector from the body of the microphone.

Step 3 — Shure SM58 XLR Connector Wire Repair



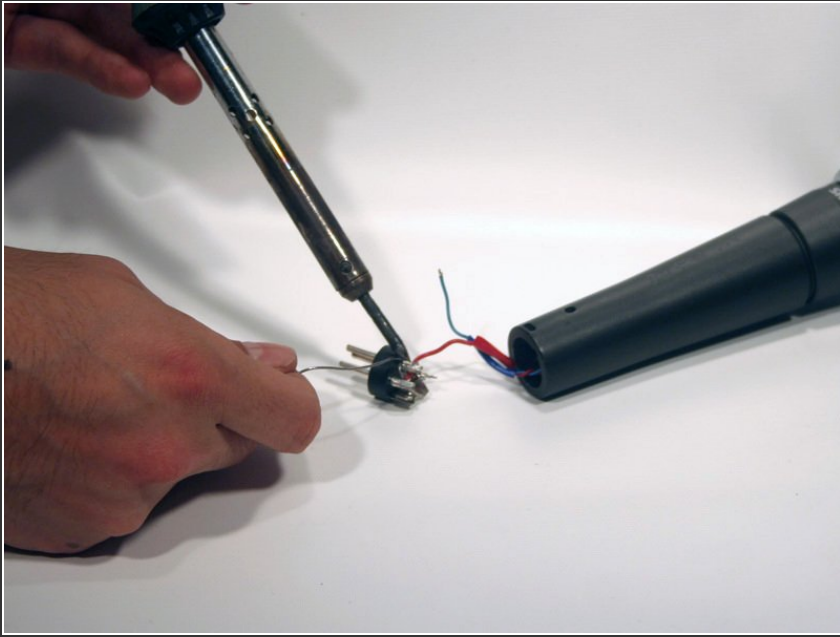
- i** If the wire is not exposed from the insulation, [strip](#) the broken wire.

Step 4



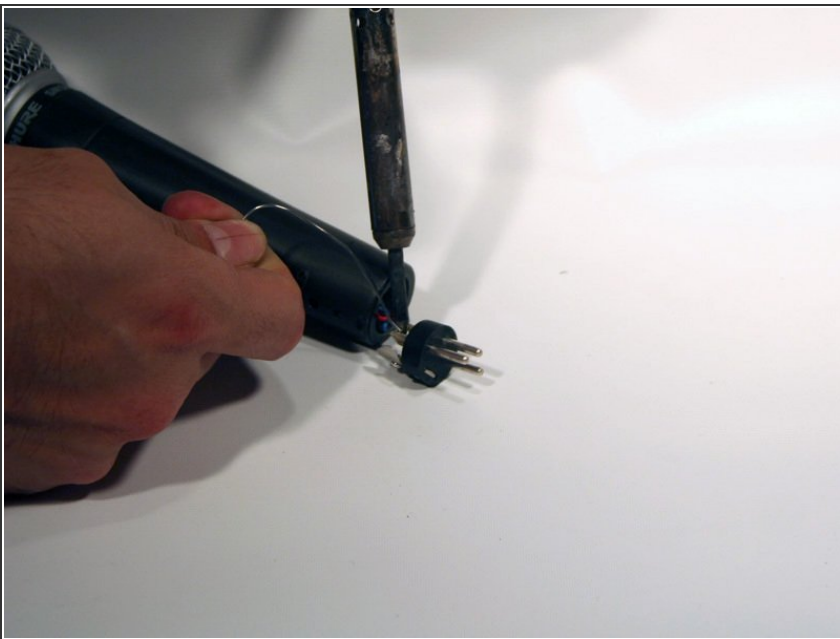
- Bend the wire around the contact point. Pin numbers are located on the outside of the connector.
- Connect the red wire to Pin 3 and the blue wire to Pin 2.
- Pin 1 should have a single piece of exposed wire connecting it to the metal plate on the top of the connector (the ground plate).

Step 5



- ❗ Clamps are helpful for this step.
- In one hand, hold the solder. In the other hold your soldering iron.
- Touch both the soldering iron and the solder to the contact point. The solder should melt and create a connection between the wire and the microphone connector.

Step 6



- Remove the solder and then the soldering iron from the contact point.
- ❗ If you remove the soldering iron first, the solder may become stuck to the contact point.
- Let the wire cool for 30 seconds or so.
- If the wire is not completely connected repeat steps 2 through 5.

Step 7



- To reinstall the XLR connector, follow the [Installing Shure SM58 XLR connector](#) guide

After soldering the wires to the XLR connector and reassembling your microphone, your microphone should be ready to plug in to the XLR cable and function properly.