Ethernet Cable RJ-45 Connector Replacement

Remove and replace a damaged RJ-45 Ethernet cord connector.

Written By: Wesley Bigalke

INTRODUCTION

This guide will cover removing a damaged RJ-45 connector from an Ethernet cable and the steps to replacing it with a new one using the T568B standard. This requires a wire cutter/stripper/crimper tool and an RJ-45 connector.

TOOLS:

- Ethernet cable stripper/crimper (1)

PARTS:

- RJ-45 Connector (1)

This document was generated on 2020-04-01 03:38:59 PM (MST).

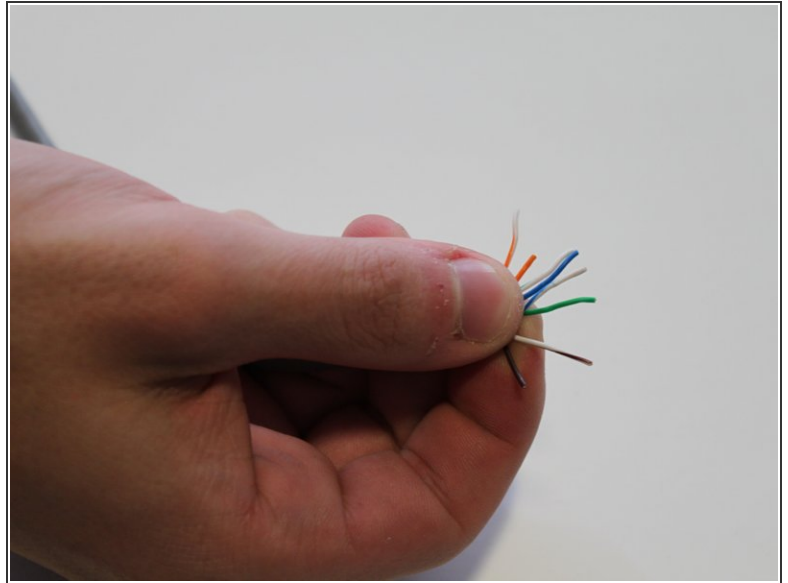www.iFixit.com

Step 1 — Identify the parts of the tool

- First let's identify which side of the tool performs which functions.

- One side of the tool is used for stripping wires. You can tell because it has two blades, one on each side, as indicated in the first photo.

- The other side is used for cutting wires. You can tell because one side is bladed while the other is flat, as seen in the second photo.

- (i) If you are using a slightly different tool, the use of it will still be very similar to how it is shown in this guide.

Step 2 — Cut the wire
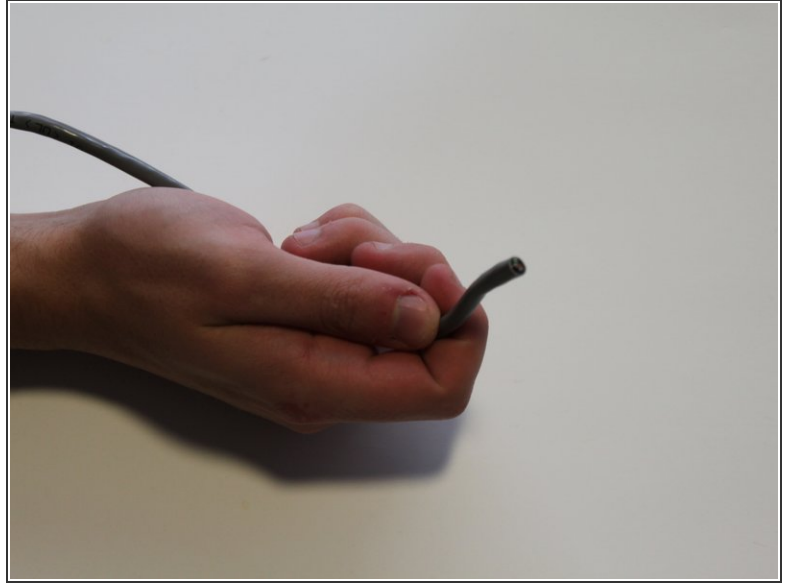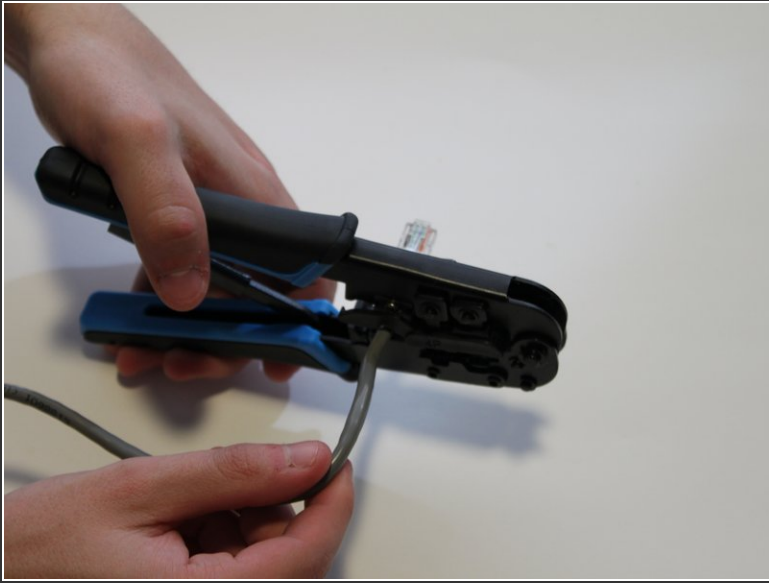
- Place the wire across the blade of the wire cutter.

- Squeeze the handles of the tool together until the wire is cut.

- When you are done with this step, the cable will appear as it does in the second photo.

This document was generated on 2020-04-01 03:38:59 PM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 4 of 8

Step 3 — Strip off the cover

- Place about a quarter of an inch of the cable into the stripping end of the tool.

- Squeeze the handles of the tools together until the tool clicks and then release.

- Pull the stripped wire cover from the cable with your fingers.

- Note: If your wire cutter does not have a side specifically for stripping wires, you can simply use the wire cutting part but do not squeeze the handles all the way down, so that it only cuts the outer casing of the cable.

- When you have successfully completed this step, the cable should appear similar to the second photo of this step.

Step 4 — Organize the wires
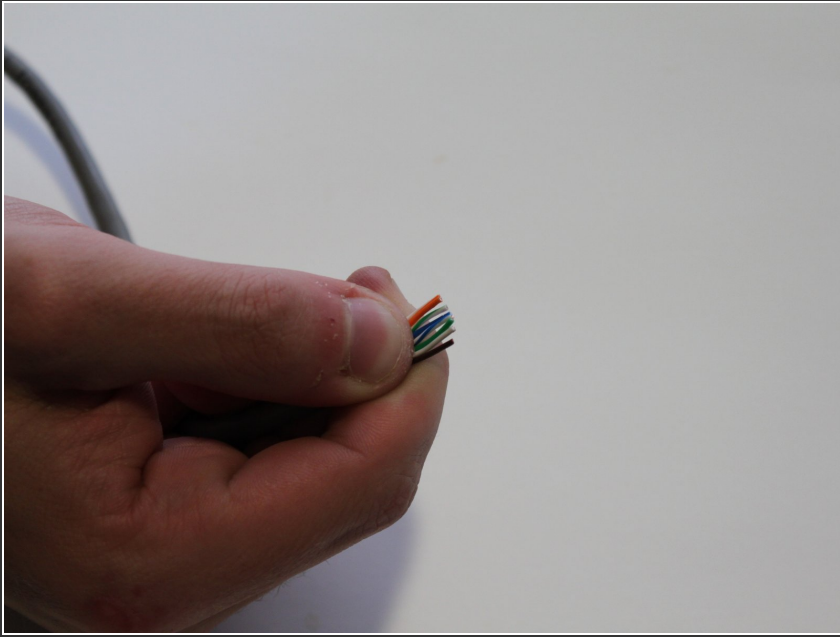
- Organize the wires in the proper order.

- This order is: Orange-white, Orange, Green-white, Blue, Blue-White, Green, Brown-white, Brown.

- Hold these wires closely together and use the wire cutter to cut the very end of these wires off, to make them all even in length.

www.iFixit.com

Step 5 — Insert the new RJ-45 connector
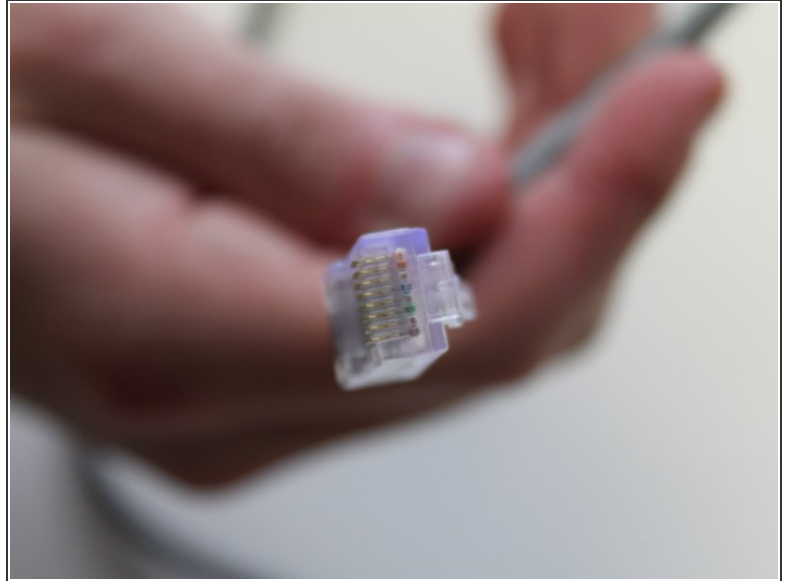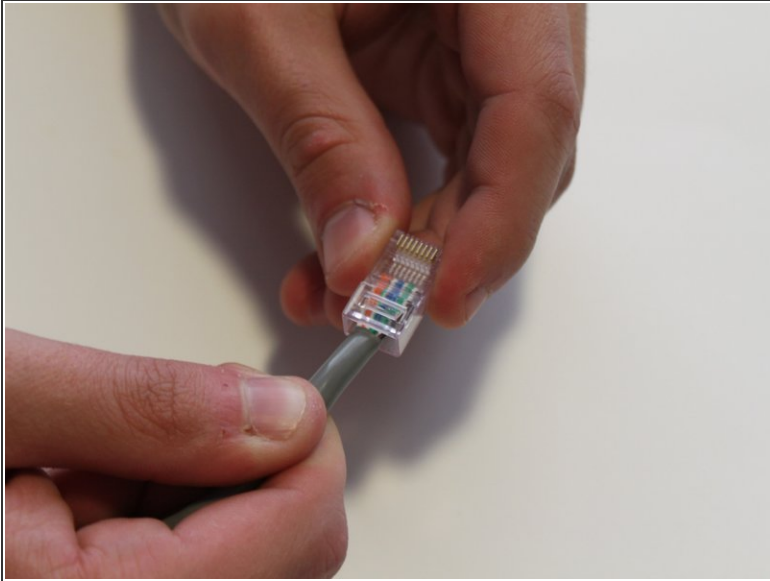
- Hold the wires closely together in the order shown in the previous step and push them into the new RJ-45 connector, with the clip end of the connector facing down, and the orange/white wire to the left.

- Push the wires to the end of the connector ensuring that all wires enter their respective chambers in the connector.

- If you inspect the top of the connector you should be able to see the tips of the wires pushed against the end of the connector, as shown in the second photo in this step.

Step 6 — Crimp the connector
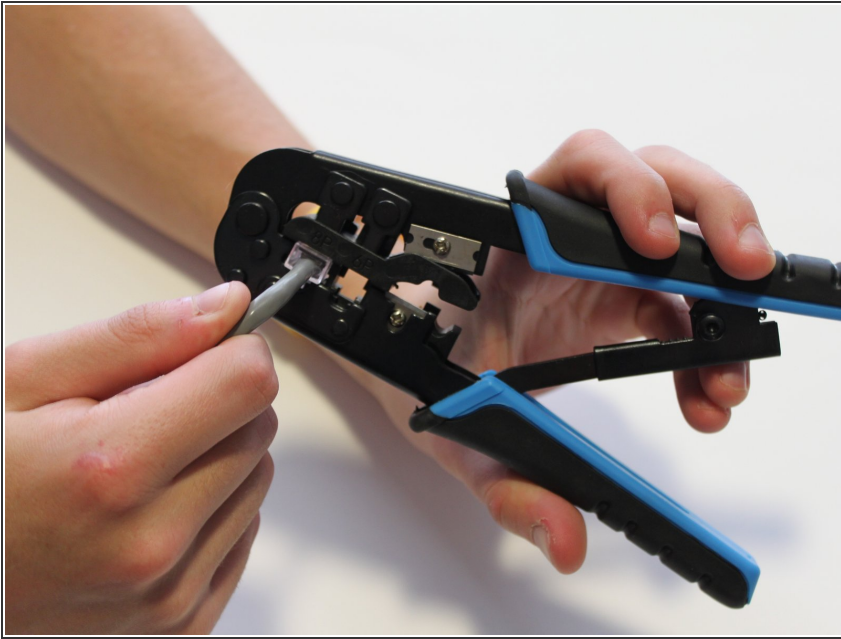
- Place the RJ-45 into the crimper at the end of the tool. Push it in all the way, it will fit exactly in the tool—you can not push it in too far.

- Squeeze the handles of the tool together until it clicks and releases.

You have now replaced the RJ-45 connector, you may test the fix by using the cable. If it does not work, you can always follow the steps in this guide to try again.