

Chevy Bolt Charge Light from TrickItOut.
<https://www.etsy.com/shop/Trickitout>

Installation Instructions

Needed:

2 to 3 ft fishing wire
10mm wrench
13mm deep socket ratchet
box cutter
flat head screwdriver
needle-nose pliers
electrician's tape

This video includes instructions for installing a Chevy Bolt Charge Port Light from TrickItOut.

It is for use in the Chevy Bolt EV and EUV, years 2017 to 2023, which have the fast charging port.

What we will be doing is fishing a wire through the charge port area to the engine. We will remove the battery, and access the 36 pin connector. We will then insert the LED pins that come with the kit in the factory designated pin slots, tape the wires, reattach the wire harness connector and reattach the battery plate and battery.

Let's get started.

1. First, check the contents of your kit to the list provided. Spread it out, then use the 9 volt battery included to test, by touching the positive (red) and negative (black) leads to the battery posts, as shown in the video.
2. Place light ring on the charger door latch.
3. Grasp wire below the quick connects and separate the wire from the loom, then hang the loom on the door latch. Video will show how to remove and reinstall wires into the loom.
4. Next, two ways you can do this. Push your flathead screw driver through the top of the rubber gasket of the charge port to make way for the wires, (shown in video) or take a box cutter and cut a 3/4 inch slit in the gasket. Open your car hood and prepare to feed your wire through that opening.
5. Fish your 3 ft copper wire, 14 gauge is fine, or whatever you have handy. Fish the copper wire through the opening, toward the engine area of the car. Have a buddy watch for it and grab it, either with their fingers or a needle nose pliers, and pull through to the engine compartment as shown. Stop when enough of the fish can be pulled easily standing in front of the charger port.

6. Carefully tape the pinned ends of wire to the fishing wire by threading the wire through the loop about an inch past the fish loop, fold over the pins onto its wire. Use electrician tape to secure pins to wire and fishing wire, being careful not to damage the ends. Tape as tight as possible, to keep the taped area as narrow as possible. (See video).

7. Once you have the taped the end of your fishing wire, push and slowly pull through until you see the tape end in the engine compartment. Be careful not to damage the taped portion. Stop when the taped end is pulled through. Carefully unwrap tape.

8. Feed the wire into loom (see video) until the pins are fed through to the end, but don't pull the quick connectors through until the next step.

9. Starting from the bottom and pushing on both sides of the light, install the LED ring half way up in place and connect the light ring, by pushing quick connectors in as far as they can go, rocking them back and forth as you push. When tightly set in place, push quick connectors and extra wire through the gasket and pull the slack out of the wire. Finish setting the light in the groove around the charge port, then test once again with the 9 volt battery to the pins you pulled into the engine compartment. Set out of the way.

PREPARE TO REMOVE THE BATTERY

10. Now move to the engine compartment and prepare to remove the battery. For this step you'll need a 10mm wrench and a 13mm deep socket with a 12" extension to remove the brackets, nuts and bolts around and under the battery.

11. Start by removing the top brace, and lay it aside.

12. Remove the battery's positive connection, cover the terminal with plastic or electrician's tape, then remove the negative connector.

13. Use your ratchet to remove the bolts that hold down the battery, carefully laying to bolts aside. Then remove the battery and set it aside.

14. Remove the CPU by using a flat head screw driver to pry forward the lower middle tab facing the left side of the battery, and rock slightly side to side while pulling upward on both ends. When it's free, lay over to the side.

15. Remove the four bolts that hold down the battery platform. There is another release tab for a wire in the back of the platform same as the one on the CPU. Next pop out all wires attached to the platform by feeling around the edge of the platform, starting in the back and working the platform out.

16. Once the battery platform is out, you will see the 36 pin gang connector that sits in back of and just below the battery platform. With the gang connector in hand, push back the dark gray lever, pull apart the connector.

17-20. On the back of the male or pin's side of the connector, remove the wire

shroud and push through on the side where the pins show through. Insert a paper clip to pop out the rubber plugs from the slots needed for the LED pin insertions. See the illustration for detailed pin placement directions.

21. After one loop of taping around all and new wiring, replace shroud, press the LED's wire loom up against the larger main wire loom and attach it with electrician's tape. Secure the loom to other wire looms you find with supplied zip ties and tuck the remainder behind the fuse center.

22. Place the battery platform back and attach wire pop-ins back to the battery platform

23. Reinsert the CPU and bolt down the platform.

24. Replace the battery

25. Remove tape and reconnect the terminals. You will hear the car come alive again

26. Close the driver's and the charger doors. Open the driver's door and then the charger door. The light should be shining.

27. If so, go to the next step by disconnecting both battery terminals, taping the positive terminal and reinstalling the battery brace, including bottom guard bolt and the two top nuts.

28. Reattach the battery connectors, first negative, then positive, after removing the tap.

29. Secure the loom to other structures with zip ties (see visuals).

30. Close the hood and start your car. There will be instructions on the screen behind your steering wheel to reset your car's system. Just follow the prompts and enjoy your new Charge Port Light.