Ev charger cable through wall

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I have two plug-in electric cars, with a third one expected next week. For the past few years we've been running the cords from the EVSE (What most people call the charger, although technically that's located in the car itself) out the corners of our garage door. That seemed to be fine for the first 2 years, but I found that my high amperage EVSE, a JuiceBox Pro 40, was no longer working. After a lot of trouble-shooting, I discovered one of the pilot wires had broken from being crimped in the garage door.

I recently saw a post in one of the EV FaceBook groups for which I'm a member showing how someone used a plastic cord hatch, originally intended for an RV or camper power cord, to pass their charge cord through the wall of their garage. Here are my two examples for the two different chargers I currently use…

DISCLAIMER: I provide no guarantees implied or otherwise that the procedure below is safe or will comply with your local building code. You could cause damage to your house by following this guide, or risk injury if you hit live wires in the wall of your garage when cutting holes. Follow this guide at your own risk!

You can see I was off by about an inch in my estimated location on the inside wall of the garage using the tape measure estimate method. That's why we drill the pilot hole, to ensure the two 3.5″ diameter holes we make with the hole saw line up exactly.

5) Now switch to the hole saw attachment in your drill. Place the mounting block upside down on a box or scrap wood of sufficient thickness so you don't damage the hole saw's middle drill bit. Using the pilot hole you drilled earlier, drill out the middle of the mounting block. Use minimal downward pressure to prevent the mounting block from spinning. I held it with my foot. A smarter person would use a clamp. ?

7) Test fit the hatch and vinyl mounting block in the hole on the outside of the house. Pre-drill small pilot holes where the three mounting holes are on the hatch. Temporarily screw in the hatch through the mounting block to ensure everything lines up well.

I put caulk around the hole and between the siding and plywood, around the inside lip of the hatch (not shown) before inserting it through the mounting block, and then around the inside of the mounting block and edges of the tube portion of the hatch where it will come in contact with the plywood. Re-insert into the hole on the outside of the house and put the three screws back in. Be careful not to over tighten the screws. If you slightly deform the front of the hatch by over-tightening the screws, loosen them until everything looks even and flush.

9) Now basically repeat the process for the inside of cable garage. You don't have the mounting block to contend with. While probably not necessary, I put some caulk around the inside lip of the hatch, then screwed it in to the drywall.

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You can then push your charge handle through the hatch opening on the inside of the garage and fish it out from the outside of the house! You may need to depress the handle for it to fit through. You can route and secure the cord between the EVSE and the inside hatch door, then close the door. There are two latches that "lock" it closed.

11) Now fill in around the cord inside the tube connecting the two hatches from the outside of the house with steel wool. This should help prevent rodents from making their way through this hole. You would be amazed by how small of an opening a mouse can squeeze through. Try to get steel wool on all sides of the cord so it is more centered in the opening, and fully "protected" by the steel wool.

Hi Michael. I originally ordered this from OpenEVSE I believe. I looked through my Amazon orders and found "OpenEVSE Electric Vehicle (EV) J1772 Charger Holster with Integrated Cable Management" but when I click the link, it's no longer available. This appears to be nearly identical: https:// you want a more substantial hook to hold the cable, this seems to be popular as well: https://

Finally figured out a non-atrocious way to pass my EVSE cord through my garage wall. I have my EVSE inside my garage to protect it from the elements and this saved me from running the under the garage door, and gives me an extra foot or so of cord. All materials (except the pool noodle that you told your kids to put away but they never did) purchased on Amazon.

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