

1/30/07  
LilScotty1963  
(AKA Buffy the Oxidation Slayer)

### Scotty Electrical Plug Repair

Yes , I'd searched and searched and alas, I could not find an adapter for my 1963 Scotty electrical connection. Offers to purchase used ones turned up no replies and I was tired of being a slave to 12V and batteries. I also looked for new parts that would fit the look of the trailer and there was no joy in Mudville there either. All the new setups use a retractable cord that comes from the interior of the trailer instead of a plug in a round housing. Square ones are available but are pretty ugly.



***Plug w/ cover closed***

***Plug Open, Note screws already removed***

Since my metal cover and spring was in decent shape, I decided to retrofit the plug with a standard 2 pole plus ground like that found on any heavy duty power tool. Searching my local hardware store, I found just the thing for about \$2.50. 20Amp, able to be disassembled after installation and made from material that could be bonded to.

**Please**, don't go to Home Depot for this part, or anything else if you can help it. Why? Well, they're trying to ruin my town just now with an improper store placement right next to our historic district even though they have a store not 6 miles away and another in a tax free state only 12 miles away. We already have 2 lumberyards in town and one of the best hardware stores in the region that is independently owned and operated for some 40 years. Why would they do this? Oh, because Lowes is putting up a store between their two and it is HD policy to never allow two adjacent Lowes stores without a "blocking" store. The money won't come to my town or its people but rather will go to further buyouts of inept CEO's and other follies in Georgia. Work with me here because Home Depot is not a good citizen and they should never receive your money if you can help it. The local fellow, even if in the next town, is much more helpful and has your interest at heart. If it's a big purchase, ask them to match HD, most times they will or will come very close and appreciate your efforts. To read more, just go to [homedepotsucks.com](http://homedepotsucks.com) or Google "Home Depot Billerica MA".

We were talking about, uh, umm, oh yeah, Scotty plugs. Get the plug (Not at HD) and a set of inexpensive hole saws if you don't have them and also some PC7, 2 part Epoxy (This stuff is fantastic which is why HD doesn't carry it).



*Round 20Amp Plug, approx 1.5" Dia*

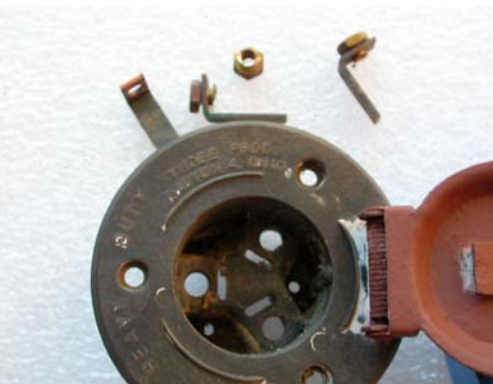
*PC7 Epoxy*

Bring your independent purchases home and take a good look at your wiring inside the Scotty. **This is important-** If your wiring is frayed, has rubbed through on corners or just looks nasty, it is time to replace it for your own safety. Do this first even though you can't plug the trailer in! Carefully assess the wiring between the plug and your fuse box and note which leads go where. Label the "hot", neutral and ground unless it's dead obvious. Mr. Serro didn't always follow color codes! The hot lead is the narrow blade of the plug and goes to your fuse. I added a GFIC outlet right after the fuse and ran the rest of the camper from that for extra safety. Haven't tripped it yet and have camped in some serious rain storms and powered a number of crock pots through my exterior outlets.

OK, your wiring is up to snuff, you know where everything goes and now it's time to make the change. Remove the cover from the rear of the plug and disconnect all the wires. You remembered to label them right? Remove the exterior screws, loosen the putty around the plug and push the plug out from inside the camper. Clean everything up as best as possible and disassemble the plug by first removing all the screws. To get the blades out, you'll need to drill out the rivets holding each blade from the blade side. Sorry, I didn't write down the drill size but you'll figure it out.



*Drilling out the rivets*



*All apart now, no turning back*

Now you just need to get the housing for the blades out of the way. Find the hole saw that fits best, I believe it was a 1.5" but it might have been a 1 5/8". It should fit into the housing fairly well. Now carefully, drill out the center of the plug body....



*Fit of hole saw*

*Drill out the center*

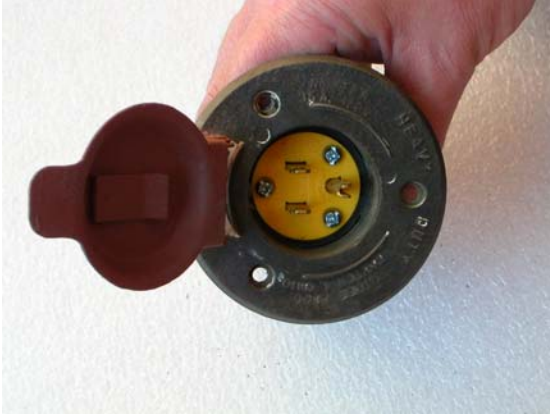
See how nice it came out!



Now is also a great time to paint if you are going to or at least prime...mask the inside!

Uh oh...Should have taken more pictures of the glue up...

The plug body separates from the boot w/ the three screws. The boot fits the housing pretty snugly so that's what gets glued allowing the plug body to be removed later if needed. Mix the epoxy and put a small amount inside the housing from the rear. Put a ring of epoxy on the outside of the boot and insert it into the rear of the housing squarely using a large socket or other device. Hold it up to the light to check for gaps and fill them with epoxy if you have any. Clean up the area forward of the plug and let the epoxy set.



***Plug & boot epoxied in place, center is removed for wiring***



***Boot as installed on rear of housing***

Finish up your painting and re-install into the camper using fresh Mortite and some new screws. You'll probably find it easier to connect the wiring outside the camper and then to insert the whole assembly into the camper body. That's how I did it and it was a cinch. Note that you want to use a 15Amp or max 20 Amp fuse. You shouldn't need more for anything you'd want in a Scotty anyway.



***Plug installed w/ quad GFCI box just after***

Once I'd figured out what I was going to do, this mod only took a bit over an hour, not including the other wiring changes I made. It's very rugged and still looks stock when the cover is closed or when hooked up. A very worthwhile little project.

Good luck Ya'll.

David

BTW- Metropolitan1955 found the correct 3 blade socket to make an adapter at his local electricians supply house. The fit was very tight but fit it did and it works for him. Hopefully, he'll come up w/ the part number and store for those that don't want to go this route.