

# The Radio Hotel – Tesla Mobile Install

Guest visit by Glen Jenkins – WB4KTF

## Where to get 12VDC in a Tesla for My Amateur Radio?

I bought a 2021 Tesla Model Y late last year and installed my Amateur Radio, Yaesu VHF/UHF mobile transceiver into it. I had tried using the rear 12V power outlet with a “cigarette lighter power plug”, but every time that I hit a bump in the road the power would cut off and then come back on. QSO’s were difficult to do, as the rig would keep cutting out. I did not want to mess the Tesla, change or destroy anything; so I needed a good solution that could be returned back to original.



This 12v power outlet is on the left, inside rear ‘truck’ wall just behind the left rear tail lights. I got curious and pulled back (unsnapped) the plastic panel where the 12v socket was and found something that gave me a bright idea. The 12v power socket has wired through a two wire plug/socket connector that was wired to a wiring harness. I disconnected the harness female plug and saw that it had a part number on it: “>PBT-GF15<”, so I took that and searched the Internet for it and the mating male counterpart socket, but no luck.



Then the bright idea occurred: Can I buy this assembly from Tesla? I could cut off the 12v power socket and use the male connector and wire for rig power!!!



I went to Tesla’s online parts catalog with images of every part in the car. I just could not find that part anywhere. So, yesterday, I stopped by the Tesla Service Center and told the fella there what I needed. He wanted to see what I was looking for, so we both went to my car and I pulled back the plastic panel that hid this connector set. Now he understood, so he went back to his Tesla computer and started looking for the part. After a while he found it, not under electrical, not under accessories, not under trunk, but under “carpets”???



Best yet, they had one in stock for about \$4; a great price for me. I picked it up and took it home, where I cut off the socket and attached a pair of Power Pole connectors to the two wires. I now have the solution for power for the mobile rig in a Tesla. I connected the socket to the wiring harness plug, routed this short cable through the existing emergency trunk release hole then connected it to my mobile rig’s in-line fused power cable.

**NOTE: THE CABLE MUST BE FUSED**, as this Tesla accessory power socket is suitable for accessories requiring up to 12A continuous draw (16A peak). The Voltage was 14.4 VDC.



**Tesla Part Number/Bar Code: 1011678-00-A;**  
**Description: Assy, RT Angled Power Outlet 12V;**  
**Bin: SAUS-B-07-80-40**

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