

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. QSOs 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 then 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, I pulled back the plastic panel that hid this connector set. Now he understood, 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 this part assembly home, where I cut off the socket, attached a pair of PowerPole connectors to the two wires. I now have the solution for power for the mobile rig. 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 THAT 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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Jan. 20, 2022

