DIY Cruise Control Installation for less than 10$ (30$ if Manual Transmission) – Yaris 2007-2008

Please note that this tutorial will work only on the North American models (Canada and US), not on the European models.

Material:

- 2 or 4 switches N/O, momentary (I highly recommend 4 switches, so much more fun riding the highway without touching the brake/gas pedals !).

  For those (including me) who aren't electronic savvy, Normally Open means that the switch normally prevents current and which allows current when it is actuated (in case you bought N/C switch and have to test them with a multimeter).

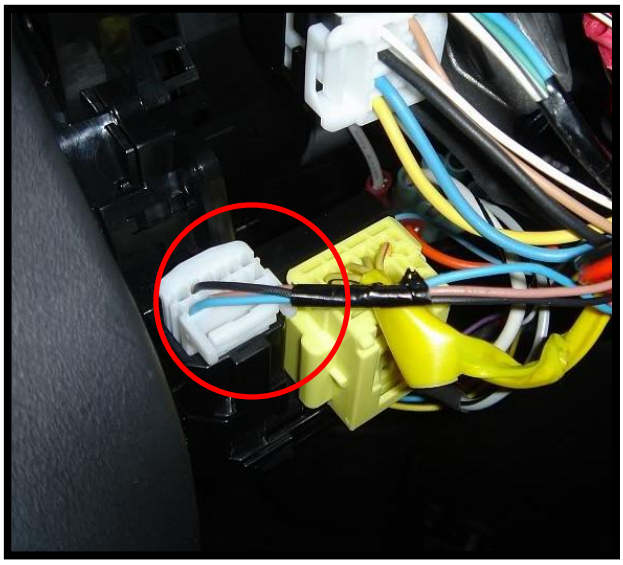
- Resistors (290, 340 and 910Ω)
- Wire (2 colors, 20-24 AWG, 2ft and 6ft)
- Cruise Control Clutch switch if your car has MT (Toyota part #88280-14030)

Instructions:

1. Make sure you don't have the Cruise Control wires on connector D3 under the dash (Left side of the steering wheel). This should be the case if you have a 07-08 Yaris.



Connector D3 without CC wires



Connector D3 with CC wires

If you do have these wires, you won't have to run any wire to the ECM connector and will connect the switch wires directly to them (positive to blue wire, negative to brown wire)

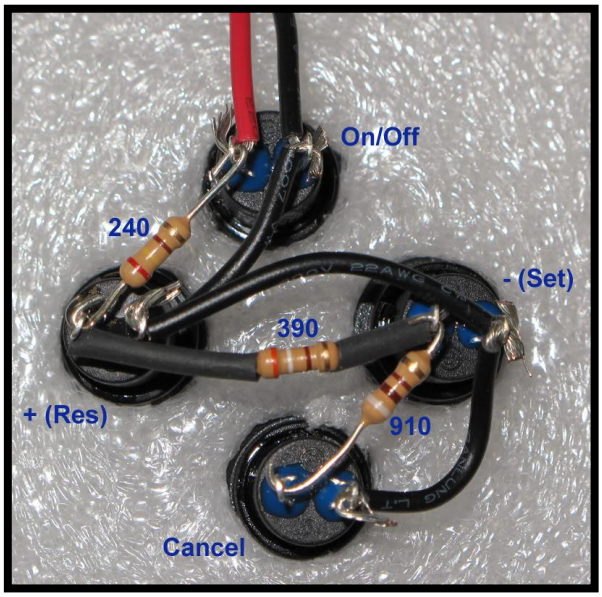
2. Choose the location. You can put it on either side of the steering wheel: (1) Power mirror cover (Toyota part number 55547-28010-B1), left side of the steering or (2) Push start button cover on the right side of the steering (PN 55446-52060-B0).

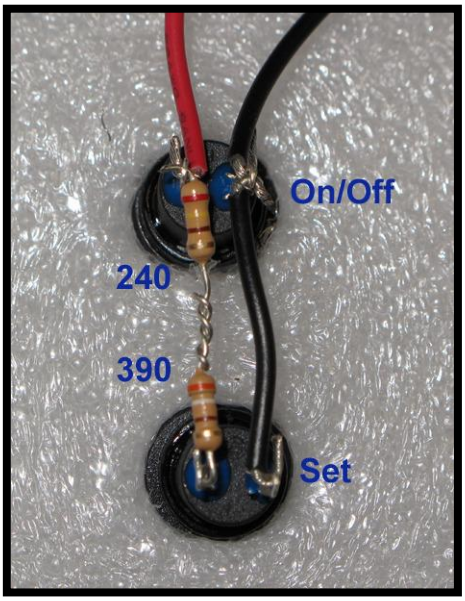
   Both locations have their advantage/disadvantage: The power mirror cover is easily visible when seated, so you know on what button you are pressing. In my own opinion, this is the best location for the 4 switch version (if you keep a feet of loose wire behind, you could then use it as a remote by easily pulling it off with a finger by the glove compartment and accelerate/decelerate without having to extent the arm!). The push start button cover is a good location if you are use to handle the steering with your left hand, so you wont have to switch hand to use the CC, but buttons are hidden by the steering wheel and this might be a problem if you use 4 tiny switches. To remove this cover, pull the trim along the left side of the radio/air controls and simply pull the cover off.



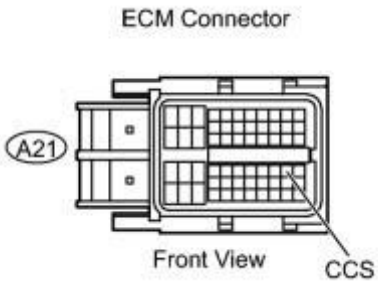


3. Drill holes and build the switch assembly directly on the cover you decided to use.

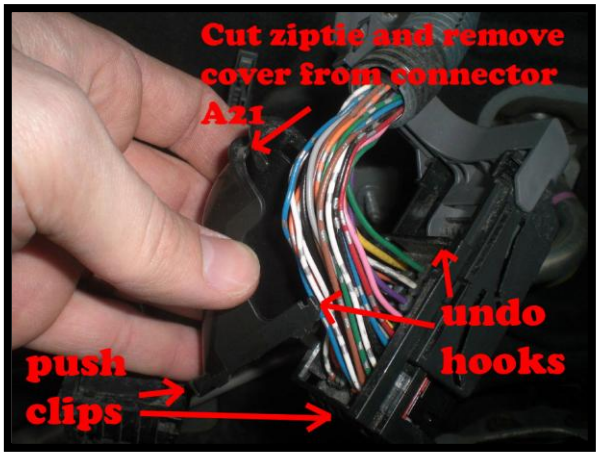


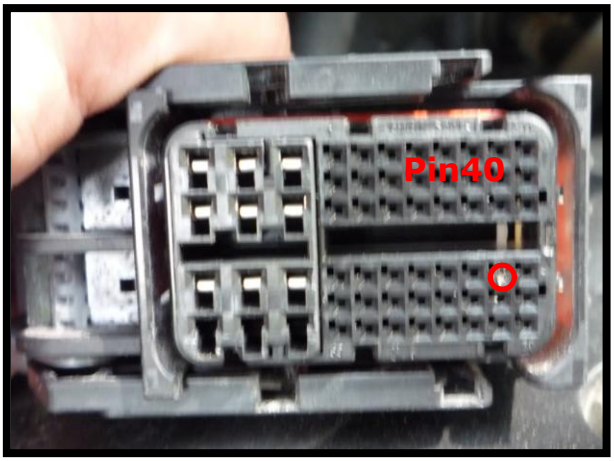


4. Run the positive wire (red wire on last page pictures) to pin 40 of ECM connector A21. This connector is the one on the right plugged into the ECM (left side of the engine bay if you are standing in front of the car). You must first cut the ziptie, push the clips (I used a small screwdriver) and undo the hooks to remove the cover as shown by *nickhjort* in the following picture. Then you push the little rubber that is in the pin40 out with a pin and get your wire through. I suggest that you skin the wire on 1-2 cm, twist it and then cut it as close as possible to the connector after you pulled it from the other side.

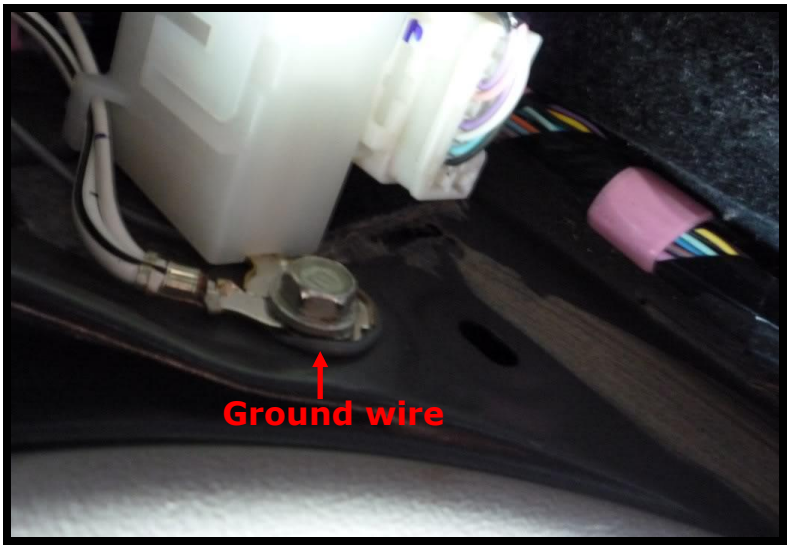


I suggest that you use the grommet that is under the carpet on the passenger side for this wire, so that it won't have to hang loose from one side to the other of the engine bay. Cut a small on in it and push the wire through (attaching it to a straighten clothes hanger can help).

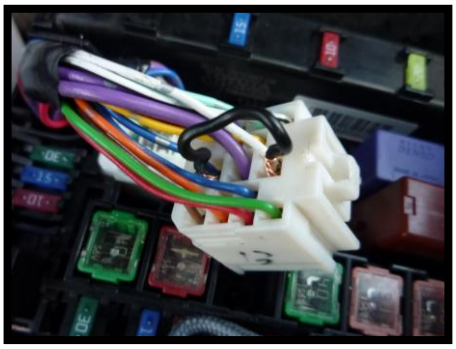




5. Ground the other wire on the bolt in the door sill (driver side).



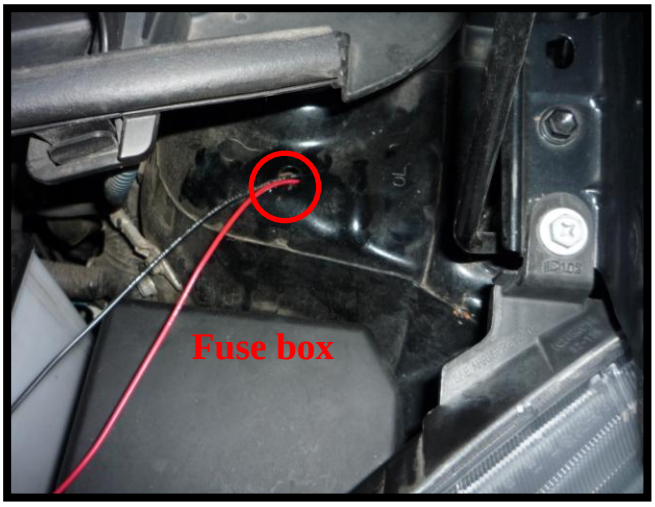
6. For manual transmission cars only : jump the CC Clutch Switch wire in the engine bay fuse box to the white wire on the same connector. This is for test purpose only; install the clutch switch as soon as you have got your CC working!



7. Do a test drive! Be amazed when you realize that you just installed the CC for 10$ in less than 45 minutes…

8. For manual transmission cars only : take off the bolt under the clutch pedal, put the clutch switch in its position and run the two wires to the engine bay fuse box, on the 2 positions where your jumper currently is (remove it). If you do not have the harness that goes with the switch, you can cut the white plastic part and solder the wires to the connector.





I ran these wires through hood release cable grommet (under the dash, driver side), it goes in the wheel well and I took the wires (under the plastic trim in the wheel well) to the engine bay through an opening in the shock hole (with a straight metal rod).

Do another test drive to make sure your clutch switch is correctly installed. You're done!

A special thanks to *CTScott* for the discovery and for helping me through the process, and also to *nickhjort* for being the guinea pig on the 2007-08 model.

Vince87 from YarisWorld