

Connector Guide

Cruise Control Light

I've read that before that you might not have to run another wire from the engine ECU to the C9 connector of the combination meter on newer trucks.

Wire

Toyota uses a lot of 22AWG (and even smaller 24AWG) stranded wire. You probably are not going to find this at auto parts stores as these stores typically sell 18AWG and even yet larger 16AWG and 14AWG.

(However, if you have a clutch, 18AWG could be used for terminal no. 1, and 22AWG for terminal no. 2 of the clutch cancel switch. I know you have an automatic but others are reading this too.)

I went to an electronic parts recycle place and dug through their colored stranded wire. I ended up with a bunch of 20AWG which is a bit large for most of the terminals and sometimes snug to get into the connectors. I think I would look diligently for some 22AWG if I were to do it again.

Terminals

Careful about using Molex or other off brand terminals on the wires. IMHO they seem to fit funky and I could envision possibly damaging the internal lock of the connectors. IDK, maybe someone has had luck with these.

With exception of the terminals for the clutch cancel switch, all the OEM terminals for the cruise control are Amp/Tyco/TE Connectivity. These are now the same manufacturer called TE Connectivity.

You have two options for getting the terminals:

1. Toyota sells 6 in. lengths with the correct terminal attached. Patch it to the end of a wire run. The down side is they want \$6+ ea. or something outrageous.
2. Purchase the correct terminals and crimp them on to the wires. Get extras and practice crimping several to get the hang of it before you put one in a connector.

Here are the connectors, the size of the terminals, and the Toyota pre-made 6 in. lengths with the correct terminals, and the OEM manufacturer part numbers:

S8 Connector (clock spring connector adjacent to steering wheel)

Terminal Size 0.64III

Toyota Pigtail Part No. 82998-12870 (gold tipped)

TE Connectivity Terminals 1674311-2 (gold tipped)

PF Connector (in J/B No. 2, optional if you use it for a ground)

Terminal Size 1.0III

Toyota Pigtail Part No. 82998-12690 (gold tipped)

TE Connectivity terminal 316837-1 (gold tipped)

E7 and E14 Connectors (engine ECU)

Terminal Size 0.64III (for smallest openings)

Terminal Size 1.0III (for medium sized openings)

Toyota Pigtail Part No. 82998-12870 (gold tipped for small 0.64III terminals)

Toyota Pigtail Part No. 82998-12690 (gold tipped for medium size 1.0III terminals)

TE Connectivity terminals 1674311-2 (gold tipped, for small 0.64III terminals)

TE Connectivity terminals 316837-1 (gold tipped, for medium size 1.0III terminals)

C9 Connector (combination meter)

Terminal Size 0.64III

Toyota Pigtail Part No. 82998-12870 (gold tipped)

TE Connectivity terminal 1674311-1 (gold tipped)

C14 Connector (clutch cancel switch)

Terminal Size 2.3II

Toyota Pigtail Part No. 82998-12340

OEM Manufacturer is likely Sumitomo or Yazaki. Part No. unknown

Sumitomo TS / SL Female Terminal 0.5 - 1.25 mm²

Taken from <http://www.toyotanation.com/forum/61-tacoma-2nd-generation-2005-2015/171992-diy-oem-cruise-control-40.html>, **Taco'09**