



41795 - Vehicle Wiring Installation Instructions
Toyota Camry Hybrid 2007 – 2009
Toyota Camry 2010
Toyota Venza 2009

1. **(Toyota Venza)** Open rear tailgate. Remove threshold, trunk floor panels and trays. Set aside all items removed being careful not to damage parts. On both sides of the vehicle, remove cargo loops, so that the trim panels can be carefully pulled away from the vehicle.
2. **(Camry)** Open trunk and remove threshold panel. Partially remove the corner felt trunk liner, on both sides, exposing the vehicle's taillight wiring harness.
3. **(Camry Hybrid)** The vehicle battery will be located in the trunk on the passenger side.
4. On the Driver's side, disconnect the vehicle wiring harness from the taillight socket. Plug the Hopkins® T-Connector end with the yellow wire in-between the mating plugs on the driver's side taillight socket and vehicle wiring harness.
5. On the driver's side, route the T-Connector end with the green wire to the passenger's side along the threshold and behind the panels. Disconnect the vehicle wiring harness from the taillight socket. Plug the Hopkins® T-Connector end with the green wire in-between the mating plugs on the passenger's side taillight socket and vehicle wiring harness.
6. Route the wire with the 4-flat connector to near center of door / tailgate latching mechanism.
7. On the driver's side, locate and secure the T-Connector black converter box with ny-ties (provided) to prevent damage or rattling and being careful to avoid areas that would cut or pinch the wires.
8. Locate a suitable grounding point near the black converter module to attach to vehicle's frame. Clean dirt, paint and rustproofing from area. Drill a 3/32" hole and secure white wire with ring terminal using self tapping screw (provided). Verify what is behind any surface prior to drilling to avoid damage to the vehicle. Do not drill into any exposed surfaces.
9. Attach the red power feed wire (provided) by crimping the yellow butt splice on the black converter box assembly. Route the red power feed wire to the vehicle battery, and secure to vehicle with ny-ties (provided) as needed. Route the red power wire across or outside the trunk to the vehicle battery being careful to avoid sharp edges or being pinched.
10. Install the fuse assembly with the yellow butt splice (provided) onto the red 12 ga. power feed wire crimping the yellow butt splice to hold it in place.
11. Attach the fuse assembly yellow ring terminal to the positive 12VDC battery cable clamp bolt.
12. Reinstall the plastic side panels, threshold, floor covering and any other items removed during installation. Be careful to avoid any areas that could cut or pinch the wire.
13. Route the 4-way flat harness to either side of the receiver hitch and secure it with ny-ties.
14. Attach the 4-way flat dust cover (provided) to the 4-way flat connector.
15. Apply a small amount of grease (provided) to the 4-way flat terminals to prevent corrosion.
16. Plug completed wire harness into the trailer 4-way flat connector.
17. Test all functions with the engine running to ensure proper operation.

TIPS:

Grease applied to the wiring terminals on a regular basis will help prevent corrosion.

Always unplug boat trailer connector before backing trailer into the water.

Need Help? (English Only)
1-800-835-0129
techsupport@hopkinsmfg.com
www.hopkinstowingsolutions.com