



## Trailer Hitch Wiring & Electrical

### 41854 - Vehicle Wiring Installation Instructions

#### Toyota Prius 2004 – 2014

1. Open rear hatch door, remove cargo trays, D-ring tie downs and remove threshold panel. Partially remove the corner felt trunk liner, on both sides, exposing the vehicle's taillight wiring harness.
2. On the Driver's side, disconnect the vehicle wiring harness with the yellow wire 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.
3. Disconnect the vehicles passenger side wiring harness connector from the taillight assembly, being careful not to damage the connector locking tabs. Route the T-Connector end with the green wire to the passenger's side behind the felt liner and along the threshold. Attach T-Connector to the matching taillight assembly connector, being careful not to damage the connector locking tabs.
4. On the passenger's side in the trunk locate the vehicle's POSITIVE battery cable terminal. On the drivers location secure the Hopkins black control module in an out of the way place with ny-ties (provided) to prevent damage or rattling.
5. Locate a suitable grounding point on the vehicles frame for the ring terminal on the white wire which is attached to the 4-way flat connector. Clean dirt, paint and rust proofing 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.
6. Next attach the red power feed wire to the Hopkins black control module blue butt splice. Cut the red power feed wire to a convenient length to attach to the power feed wire fuse assembly blue butt splice. Next using a wrench or socket, remove the battery nut and attach the ring terminal from the red power feed wire fuse assy. to the battery stud after having routed it along the threshold.
7. Reinstall the side panels, carpeting, threshold and any other items removed during installation. Being careful to avoid any areas that could cut or pinch the wire.
8. Route the 4-wire flat connector to near the center of the trunk opening. The 4-way flat connector can now be laid on the flat surface to the right or left of the trunk latching mechanism so that it will let the 4-wire flat hang out undamaged from under the trunk lid when closed for towing. Stow 4-flat connector in rear cargo area when not in use.
9. Attach the 4-way flat dust cover (provided) to the 4-way flat connector.
10. Apply a small amount of grease (provided) to the 4-way flat terminals to prevent corrosion.
11. Plug completed wire harness into the trailer 4-way flat connector.
12. Test all functions with the engine running to ensure proper operation.

**Caution:** Overloading circuit can cause fires. Don't exceed lower of towing manufacturer rating or :  
Max. stop/turn light: 1 lamp per side (3 amps)  
Max. tail lights: (6 amps)  
Read vehicle's owner's manual & instruction sheet for additional information.

#### 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.