



43495 - Vehicle Wiring Installation Instructions

Toyota Sienna 2011

1. Open rear lift gate. Temporarily remove the threshold plate by removing the cargo clips. Next remove the jack storage compartment door on the passenger side, and using a trim panel tool carefully pull back the interior trim panels on both Driver's side and Passenger side.
2. On the driver side and passenger side of the vehicle, remove the bolts retaining the taillight assemblies. Carefully pull the taillights away from the vehicle being careful not to damage the guide tabs. Disconnect the vehicles driver side wiring harness connectors from the taillight assembly, being careful not to damage the connector locking tabs. Route the Hopkins® T-Connectors from the converter module with the yellow and Brown/Red wires to the matching taillight connectors. Attach T-Connector's being careful not to damage the connector locking tabs.
3. Disconnect the vehicles passenger side wiring harness connectors 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 panels and along the threshold. Attach T-Connector to the matching taillight assembly connectors, being careful not to damage the connector locking tabs.
4. On the drivers side locate and secure the T-Connector black converter module with ny-ties (provided) to prevent damage or rattling and being careful to avoid areas the would cut or pinch the wire.
5. Locate a suitable grounding point near the converter module. Clean dirt, paint and rust proofing from area. Drill a 3/32" hole and secure white wire with ring terminal using screw (provided.) Verify what is behind any surface prior to drilling to avoid damage to the vehicle and /or personal injury. Do not drill into any exposed exterior surfaces.
6. Disconnect the vehicle's Negative (-) battery cable.
7. Attach the red power feed wire provided by crimping the yellow butt splice on the converter module assembly. Route the red power feed wire out of the rear driver side underneath the vehicle, and secure along underside of vehicle routing it to the vehicle battery securing it as needed with ny-ties. Route the wire being careful to avoid any hot pipes, heat shields, the fuel tank or any other points that may pinch or break the wire.
8. Install the fuse assembly with the yellow butt splice onto the red 12 ga. power feed wire crimping the yellow butt splice to hold it in place.
9. Attach the fuse assembly yellow ring terminal to the positive 12VDC battery cable clamp bolt. Reconnect the vehicle's Negative (-) battery.
10. Re-install and secure all loose wiring behind the panels, thresholds, or trim, etc. on both the driver side and passenger side of vehicle. Be careful to avoid any areas that would cut or pinch the wire.
11. Route the 4-wire flat connector to near the center of the lift gate 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 lift gate door when closed for towing. Stow 4-flat connector in rear cargo area when not in use.
12. Attach the 4-way flat dust cover (provided) to the 4-way flat connector.
13. Apply a small amount of grease (provided) to the 4-way flat terminals to prevent corrosion.
14. Plug completed wire harness into the trailer 4-way flat connector.
15. 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.