



41905 - Vehicle Wiring Installation Instructions

Lexus RX 330 2004 – 2006

Lexus RX 350 2007 – 2010

1. Open rear hatch. Temporarily remove the rear threshold plate, storage covers, floor covering. Set aside all items removed being careful not to damage parts.
2. Partially remove the rear interior trim panels on both driver and passenger sides of the vehicle.
3. 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.
4. On the Driver's side, Plug the Hopkins T-Connector end with the red wire in-between the mating plugs on the taillight socket 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 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 4-way flat connector harness to near center of door 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 wire being careful to avoid any hot pipes, heat shields, fuel tank or any other points that may pinch or break the wire.
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 (provided) with yellow ring terminal to the positive 12VDC battery cable clamp bolt.
12. Reinstall the rear threshold plate, storage covers, side panels and floor covering and any other items removed during installation.
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