



## **41785 - Vehicle Wiring Installation Instructions**

***Toyota FJ Cruiser 2007-2009***

***Toyota Camry 2007-2009***

***Mazda CX-7 2007-2009***

***Mazda 6 2003-2008***

1. Open rear lift gate or trunk lid. Depending on the vehicle type to locate vehicle wiring, removing plastic threshold covers, felt trunk liner, cargo trays, access panels, or trim panels may be required.
2. On the driver side and passenger side of the vehicle, remove the screws or nuts retaining the taillight assemblies. Carefully pull the taillights away from the vehicle being careful not to damage the alignment pins or guide tabs and set them aside.
3. Disconnect the vehicles driver side wiring harness connector from the taillight assembly, being careful not to damage the connector locking tabs or guide pins. Plug the Hopkins® T-Connector with the converter module between these separated halves.
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. For the **CX-7**, locate a rubber grommet on the rear passenger side in the threshold area and make a small slit in the grommet, route the red 12 ga. wire through the grommet to the vehicle battery. 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. 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-way flat harness to either side of the receiver hitch and secure it with ny-ties.
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.

**Need Help? (English Only)**  
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