



## **40245 - Vehicle Wiring Installation Instructions**

### **Mazda 6 2009**

1. Open rear trunk lid and remove threshold plate. Partially remove the felt trunk liner behind the taillights.
2. On the Driver's side, disconnect the vehicle wiring harness from the taillight connector. Plug the Hopkins® T-Connector end with the yellow wire in-between the mating plugs on the driver's side taillight connector and vehicle wiring harness.
3. Plug the Hopkins® T-Connector end with the red wire in-between the mating plugs on the driver's side taillight connector and vehicle wiring harness.
4. On the driver's side, route the T-Connector end with the green wire behind the panels and along the threshold. Plug the Hopkins® T-Connector end with the green wire in-between the mating plugs on the passengers side taillight connector and vehicle wiring harness.
5. Secure the converter module assembly in the driver's side taillight housing area with ny-ties (provided).
6. Locate a suitable grounding point near the converter module to attach to vehicle's frame. Clean dirt and rustproofing from area in order to make good contact to metal. Drill a 3/32" hole and secure white wire ring terminal with self drilling screw (provided.) (Do not drill into vehicle exterior surfaces.) Verify what is behind any surface prior to drilling to avoid damage to the vehicle and / or personal injury.
7. Attach the red power feed wire (provided) by crimping the yellow butt splice on to the converter module assembly. Route the red power feed wire thru a grommet and along the exterior frame underneath the vehicle to the vehicle battery, and secure along underside of vehicle with ny-ties (provided) as needed. 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 (provided) 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.
10. Reinstall the trunk threshold, felt trunk liner, and any other items removed during installation.
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.
16. Store 4-flat in trunk area when not in use.

#### **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**

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