



## **42255 - Vehicle Wiring Installation Instructions**

### **Dodge Avenger 2008 - 2009**

1. Open the trunk and remove the vehicles taillight assemblies. Start by locating and removing the plastic nuts on both sides in the trunk behind the taillights (2 per side) and set aside. Carefully pull the trunk liner back on both sides to expose the taillight wing nuts (2 per side). Carefully unscrew the (2) wing nuts holding the taillight in place. After removing the wing nuts, carefully pull the taillight away from the vehicle being careful not to damage the taillight mounting bolts.
2. 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.
3. On the driver's side, route the T-Connector end with green wire down thru the opening below the taillight assembly and behind the bumper to the passenger side. Route T-Connector end with the green wire up through the opening below the taillight assembly and attach in-between the mating plugs on the passenger side taillight assembly.
4. Route the 4-way flat harness below the taillight assembly to either side of the receiver hitch and secure it with ny-ties. (provided)
5. On the driver's side, locate and secure the T-Connector black converter box in taillight area with ny-ties (provided) to prevent damage or rattling and being careful to avoid areas that would cut or pinch the wires.
6. Locate a suitable grounding point near the black converter module to attach to vehicle's frame. 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.
7. Attach the red power feed wire (provided) by crimping the blue butt splice on to 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 (provided.) 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 blue butt splice onto the red 14 ga. power feed wire crimping the blue butt splice to hold it in place
9. Attach the fuse assembly blue ring terminal to the positive 12VDC battery cable clamp bolt.
10. Reinstall the taillights, trunk liner and any other items removed during installation. Be careful to avoid any areas that could cut or pinch the wire.
11. Attach the 4-way flat dust cover (provided) to the 4-way flat connector.
12. Apply a small amount of grease (provided) to the 4-way flat terminals to prevent corrosion.
13. Plug completed wire harness into the trailer 4-way flat connector.
14. Test all functions with the engine running to ensure proper operation.
15. Caution: Overloading circuit can cause fires. Don't exceed lower of towing mfg. rating or :  
Max. stop/turn light: 1 lamp per side (2.1 amps)  
Max. tail lights: (4.2 amps)  
Read vehicle's owners 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.

**Need Help? (English Only)**  
**1-800-835-0129**  
**techsupport@hopkinsmfg.com**  
**www.hopkinstowingsolutions.com**