



42195 - Vehicle Wiring Installation Instructions

Dodge Magnum 2005-2008

1. Open the tailgate and remove both taillight housing assemblies. On the driver's side, start by removing the two clips holding the taillight in place. Inside the vehicle behind the taillight, remove plastic cover and pull back insulation liner to access the plastic wing nut holding the taillight in place. Unscrew the plastic wing nut and carefully pry the vehicle taillight housing assembly away from the vehicle, being careful not to break the alignment tabs. Repeat this step for the vehicle's passenger's side taillight assembly.
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 the green wire and the wire with the 4-flat connector down through the opening between the vehicle bumper and body.
4. Route the T-Connector end with green wire and the 4-flat connector down through the opening between the vehicle bumper and body to the passenger's side. Secure the converter module assembly in the driver's side taillight housing area.
5. Locate a suitable grounding point near the converter module to attach to vehicle's frame. Clean dirt and rust proofing 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.
6. 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 lower rear driver side taillight area across the vehicle to the passenger side, then along the passenger side of vehicle to the vehicle battery, and secure along the 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
7. 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.
8. Attach the fuse assembly yellow ring terminal to the positive 12VDC battery cable clamp bolt.
9. Reinstall the taillight housing assemblies, positioning the vehicle wiring harnesses between the housing and the vehicle body and avoid pinching the wires.
10. Route the 4-way flat harness to either side of the receiver hitch and secure it with ny-ties.
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.

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