



43335 - Vehicle Wiring Installation Instructions

Toyota Matrix 2003-2008

Toyota Echo 2000-2002

Toyota Matrix

1. Open the vehicles rear tailgate, remove cargo nets and cargo floor hatch to access the spare tire area. Unscrew nut holding spare tire cover in place and remove cover. Set aside all items removed being careful not to damage parts. Remove the access panel doors on both sides to access vehicles wiring connectors.

Toyota Echo

1. Open trunk and remove threshold panel. Partially remove the corner felt trunk liner, on both sides, exposing the Vehicle taillight wiring harness.
2. On the driver and passenger sides of the vehicle, locate the vehicles taillight wiring harness. The taillight wiring harness will have a connection point, on both sides, matching the ends of the T-Connector surfaces which should be clean and free of dirt.

Toyota Matrix

3. Locate the access hole on the driver's side between the spare tire and the rear threshold. Route the Hopkins® T-Connector end with yellow wire up through the hole to the access panel.
4. On the Driver's side, disconnect the vehicle wiring harness from the taillight socket. Plug T-Connector end with the yellow wire in-between the mating plugs on the driver's side taillight socket and 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 Hopkins® 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 wire with the 4-flat connector to near center of door latching mechanism. On cars; route 4-flat from below the threshold plate into trunk. Store there when not in use.
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, the 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 yellow ring terminal to the positive 12VDC battery cable clamp bolt.
12. Reinstall the plastic side panels, threshold, floor covering and any other items removed during installation. Be careful to avoid any areas that could cut or pinch the wire.
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)
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