



## 43954 - Vehicle Wiring Installation Instructions

### *Kia Rio 4 Dr. 2012.5 - 2014*

1. Open Trunk/Hatch and remove threshold panel. Partially remove the corner felt trunk liner, on both sides, exposing the vehicle's taillight wiring harness.
2. On the driver side of the vehicle, locate and disconnect the vehicles driver side wiring harness connector from the taillight assembly, being careful not to damage the connector locking tabs. Route the Hopkins® T-Connector from the converter module with the yellow wire to the matching taillight connector. Attach T-Connector's being careful not to damage the connector locking tabs.
3. Disconnect the vehicles passenger side wiring harness connector from the taillight assembly, being careful not to damage the connector locking tabs. Route the T-Connector end with the green wire to the passenger's side behind the felt liner and along the threshold. Attach T-Connector to the matching taillight assembly connector, being careful not to damage the connector locking tabs.
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. 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.
7. 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.
8. Attach the fuse assembly blue ring terminal to the positive 12VDC battery cable clamp bolt.
9. Re-install carpet and secure all loose wiring behind the felt liner, 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.
10. Route the 4-wire flat connector to near the center of the trunk opening. The 4-way flat connector can now be laid on the flat surface to the right or left of the trunk latching mechanism so that it will let the 4-wire flat hang out undamaged from under the trunk lid when closed for towing. Stow 4-flat connector in trunk when not in use.
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 manufacturer rating or :  
Max. Stop/turn light: (3 amps each side)  
Max. Tail lights: (6 amps)  
Read vehicle's owner's 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)**  
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