



## **43795 - Vehicle Wiring Installation Instructions**

### ***Kia Sportage 2011-2013***

1. Locate disconnect and isolate the vehicles negative battery terminal connector.
2. Open rear lift gate. On the driver's side only, remove the two screws holding the taillight assembly in place. Then pull the taillight housing directly rearward to remove the taillight housing and set aside.
3. Temporarily remove the rear threshold plate, storage covers and floor covering. On the driver's side, remove the 3 screws from the side trim panel. "Do not remove panel". Removing panel can result in damage.
4. Underneath the rear of the vehicle, on driver's side, locate vehicle's wiring harness. It will have a connection point matching the Hopkins® T-Connector harness. Separate this connector, being careful not to break the locking tabs. All connector surfaces should be clean and free of dirt. Unseat the grommet on the vehicle's wiring harness. Push the grommet and harness into the vehicle.
5. From inside of the rear cargo area, locate the vehicle wiring harness from behind the side trim panel. Be careful not to pull and damage the trim panel. Plug the Hopkins® T-Connector with the yellow & green wires into the vehicle's mating connector. Be careful not to damage the locking tabs and be sure that the connectors are fully inserted with locking tabs in place. Route the other end of the Hopkins® T-Connector with the red & brown wires behind the side trim panel and out of the exposed hole. Continue routing wire up to the grommet and seat grommet.
6. The inline connector with the red, yellow, green wires can be disconnected and reconnected to aid in the installation of the vehicle's tee connectors at anytime.
7. Route the Hopkins® T-Connector harness with red & brown wires up the driver's side taillight pocket, exposed in step 1. Plug the Hopkins® T-Connector harness with red & brown wires into the vehicle's mating connectors. Be careful not to damage the locking tabs and be sure that connectors are fully inserted with locking tabs in place. Re-install the taillight assembly.
8. 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.
9. Locate the vehicles 12 pin connector and insert it into the mating Hopkins® T-Connector coming from the black converter module. Be careful not to damage the locking tabs and be sure that connectors are fully inserted with locking tabs in place.
10. On the drivers side locate and secure the Hopkins® black converter module with ny-ties (provided) to prevent damage or rattling and being careful to avoid areas that would cut or pinch the wire.
11. 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 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.

## **(43795 Installation Instructions continued)**

12. Install the fuse assembly with the yellow butt splice onto the red 12 ga. power feed wire crimping the yellow butt splice to hold it in place.
13. Attach the fuse assembly yellow ring terminal to the positive 12VDC battery cable clamp bolt.
14. Reconnect the vehicle's negative battery terminal connector.
15. Re-install and secure all loose wiring behind the panels, thresholds, or trim, etc. on the driver side of vehicle. Be careful to avoid any areas that would cut or pinch the wire.
16. Route the 4-wire flat connector to near the center of the lift gate opening. The 4-way flat connector can now be laid on the flat surface to the right or left of the lift gate latching mechanism so that it will let the 4-wire flat hang out undamaged from under the lift gate door when closed for towing. Stow 4-flat connector in rear cargo area when not in use.
17. Attach the 4-way flat dust cover (provided) to the 4-way flat connector.
18. Apply a small amount of grease (provided) to the 4-way flat terminals to prevent corrosion.
19. Plug completed wire harness into the trailer 4-way flat connector.
20. 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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