



## **43984 - Vehicle Wiring Installation Instructions**

### **Hyundai Santa Fe 2013 - 2014**

1. Open the rear tailgate remove trim panels and threshold to access the 10mm screws that hold the taillights in place. Using a 10mm socket remove the taillights on both the driver's and passenger side of the vehicle. After removing the screws, carefully pull the taillight away from the vehicle being careful not to damage the alignment pins.
2. On the driver's side, disconnect the vehicle wiring harness from the taillight socket. Separate this connector, being careful not to break the locking tabs. Repeat this process on the passenger's side taillight.
3. On both the driver's and passenger side, pull the vehicle taillight wire harness and unseat the grommet. . On both the driver's and passenger side, slit the grommet to allow for T-connector wiring.
4. From inside, route the T-connector ends with yellow and brown wires thru the grommet on the driver's side.
5. Beginning on the driver's side, plug the T-connector harness containing the yellow wire in between the vehicle's mating connectors. Re-install the taillight housing.
6. Repeat steps 3 & 4 routing the green wire to the passenger side with T-connector end containing the green wire.
7. On the driver's 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 that would cut or pinch the wire
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. 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.
10. 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.
11. Attach the fuse assembly blue ring terminal to the positive 12VDC battery cable clamp bolt.
12. Re-install the plastic threshold and trim panels on driver and passenger side and secure all loose wiring behind the panels, 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.
13. Route the 4-wire flat connector to near the center of the rear hatch opening. The 4-way flat connector can now be laid on the flat surface to the right or left of the hatch door latching mechanism so that it will let the 4-wire flat hang out undamaged from under the rear door hatch when closed for towing. Stow 4-flat connector in cargo area when not in use.
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.
18. **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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