

# Trailer Wiring Harness

KIA Sedona 2006~

Part # (UV060 AY116)

UPDATED 2-3-06

REV. B

## Always Wear Safety Glasses

### Kit includes the following

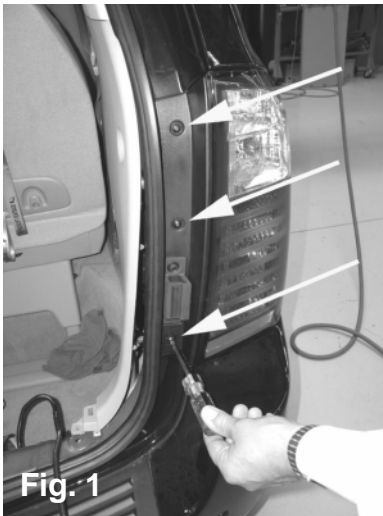
Part Name	QTY
T-Connector Adapter	1
4-Flat Harness	1
Instruction Sheet	1
Cable Tie, 8.5"	10
Posi-Tap™	1
Pad-Foam	3
Bracket, 4-Flat Mounting	1
Screw	2
Nut/Washer Assembly	2
Fuse Location Notice	1
<b>(To be placed in Owner's Manual)</b>	

### Tools & Equipment Required

Safety Glasses	Diagonal Cutters
Trim Panel Remover	Jack
#2 Phillips Screwdriver	Jack Stands
10 mm Socket	2 Protective Towels
14 mm Socket	Test Light
6" Extension	Torque Wrench
Standard Ratchet	
Fish Wire	
Electrical Tape	

### Vehicle Preparation Procedures

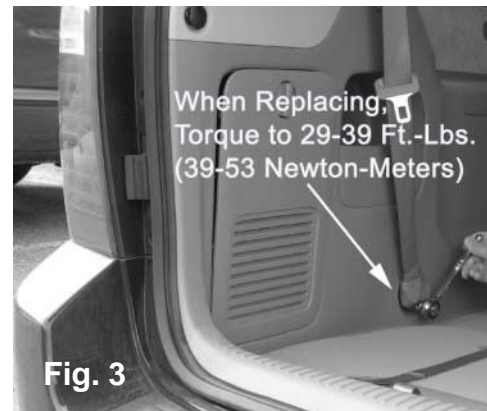
1. Disconnect the negative battery terminal.
2. Place and tape protective towels below combination lamp assemblies (CLA). Remove both CLA by removing the three screws and disconnecting the vehicle harness for each light (Fig. 1).



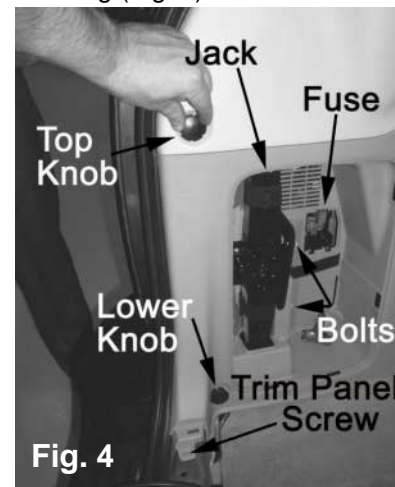
3. Remove cargo area threshold by removing two screws (Fig. 2). Beginning at the bottom of the threshold, pull upwards to remove.



4. On driver's side, lower seat and remove third row lower seat belt anchor bolt (Fig. 3).



5. Remove jack storage compartment cover. Remove jack and tool bag (Fig. 4).

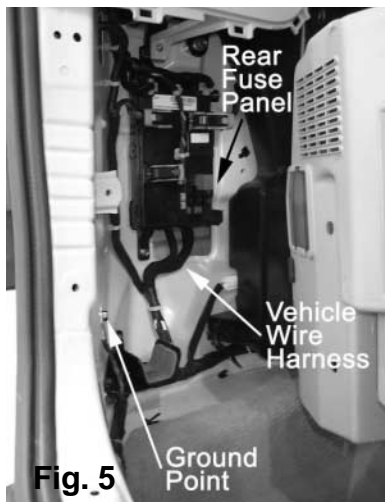


6. Partially remove driver's side trim panel by removing trim panel screw, top knob, and two bolts. **Do not remove or loosen lower knob** (Fig. 4).
7. Raise Vehicle & support with jack stands.
8. Under vehicle, partially remove bumper cover splashguard by removing retainers & screws, up to tail pipe.

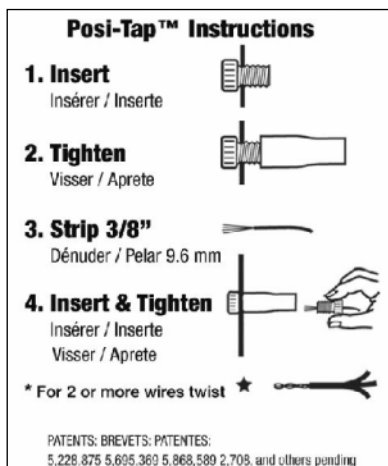
## T-Connector Adapter Installation

**Note: All connector surfaces should be clean & dry prior to connecting.**

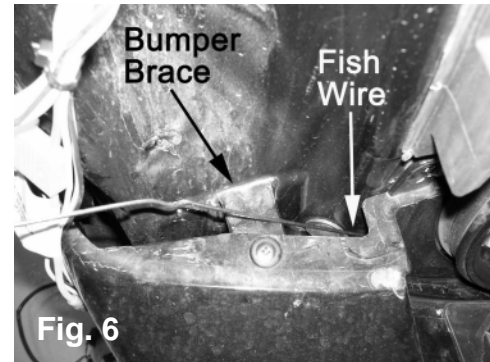
1. Working outside of vehicle on driver's side, locate the vehicle harness that was disconnected in step 2 of Vehicle Preparation. Attach T-Connector containing the **Yellow** wire to vehicle harness. Be sure that the connectors are fully inserted. Wrap connectors with Foam Pad to prevent rattling.
2. Continuing on driver's side, push the vehicle's grommet and harness into the vehicle. Route the remaining portion of the T-Connector with the **Red** and **White** wires into the vehicle behind the partially removed side trim panel. Seat the Trailer Harness grommet.
3. Working inside the vehicle, behind the partially removed trim panel, remove the three bolts from the bracket that secures the trim panel.
4. Locate vehicle ground point. Remove the bolt - do not discard! Place **White** wire with vehicle grounds and secure with bolt. (Fig. 5)
5. Locate the vehicle wire harness for the rear fuse panel. Partially remove tape. Locate the two **10 AWG White** wires which supply power to the rear fuse panel. (Fig. 5).



6. Using the Posi-Tap™, tap into one of the **10 AWG White** vehicle wires. Next, insert the **Red** Trailer Harness wire into the opposite end of the Posi-Tap™. Replace tape.



7. Working outside of vehicle, at driver's side CLA pocket, route fish wire into bumper cover. Ensure wire is placed at **right** side of bumper cover brace (Fig. 6).



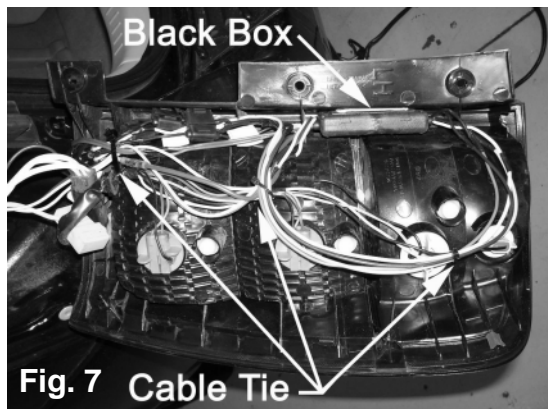
8. Secure T-Connector containing **Green** wire to fish wire with tape. Pull/route wires down, into bumper cover, through the right opening in bumper cover brace. Remove tape/wires.
9. From under vehicle, continue routing harness on top of bumper cover brackets toward passenger's side CLA pocket.
10. From passenger CLA pocket, route fish wire into bumper cover. Ensure wire is placed at **left** side of bumper cover brace.
11. Secure wires to fish wire and pull/route up to CLA pocket.
12. Refer to step 1 of T-Connector Adapter Installation for connecting passenger's side T-Connector containing the **Green** wire.

## 4-Flat Harness Installation

1. From driver's side CLA pocket, attach the 4-Flat Harness. Ensure that connectors are fully inserted. Wrap connectors with Foam Pad to prevent rattling.
2. Refer to steps 7 & 8 of T-Connector Adapter Installation for routing. Note: 4-Flat Harness will be placed slightly to the left of the vehicle tow hook.
3. Reconnect negative battery cable and test the harness with a test light.
4. Secure T-Connector and 4-Flat Harnesses to splashguard brackets with cable ties provided in kit. **Note: Ensure 6-8 inches of slack remains, below bumper cover, in 4-Flat Harness at left of tow hook.**
5. Reinstall bumper cover splashguard, removed in step 8 of Vehicle Preparation.
6. Mount the 4-Flat Bracket to the Kia Genuine Accessory Trailer Hitch using two Screws and Nuts provided in kit.

**Install the Kia Genuine Accessory Trailer Hitch According to Manufacturers Instructions.**

7. Push the 4-Flat Harness through the Bracket until the first detent is visible.
8. Connect T-Connector Harness to both drivers and passenger side CLA
9. On backside of driver's side CLA, mount the T-Connector Black Box by removing the tape backing and secure wires with Cable Ties provided in kit (Fig. 7).



10. Reverse remaining Vehicle Preparation Procedures to complete installation.

Note: Replace & Torque seat belt anchor bolt (See Fig.3).

11. **Place Fuse Location Notice in owner's manual.**

## **WARNING**

Overloading circuit can cause fires. DO NOT exceed lower of Kia vehicle rating or:

- Max. stop/turn light: 1 per side (2.1 amps)
- Max. tail lights: (4.2 amps)

Read vehicle's owners manual & instruction sheet for additional information.