

Installation Guide

CellSet

Harley-VI

Kennedy Technology Group, Inc.
614 Ridgeway, Rose Hill, Kansas 67133 - USA
voice 316.776.1111
fax 316.776.9035
email:kennedy@cellset.com
www.cellset.com

DO NOT ATTEMPT THIS INSTALLATION IF YOU ARE COLORBLIND!

The installation instructions cover only **2006 and Newer** audio systems.

PRE INSTALLATION

Verify that the bike's audio system is operational. Check audio and radio functions at both the rider and passenger positions.

HARNESS INSTALLATIONS

Tools Required

- ◇ Torx bit for faring and windscreen removal
- ◇ 1/16" wide blade flat screw driver
- ◇ Thin Needle nose pliers
- ◇ Micro heat gun or similar (Kennedy part # 35021)
- ◇ Razor Blade

Remove the bike's windscreen and the faring. Disconnect the headlamp from the bike's wiring harness

Locate connectors 27A and 28A on the rear of the Harley audio unit as shown in Figure 1.

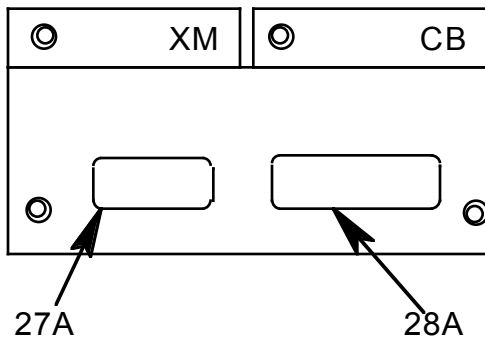


Figure 1. Harley Connector Location

Remove the plugs from connectors 27A and 28A. The plugs attached to the end of the wire harnesses are referred to as Harley Connectors 27B and 28B; the wire bundles are Harley Harness 27B and 28B

Peel back any protective sheathing on Harley Harness 27B and 28B so that at least 6 inches of wire are exposed.

Use a 1/16" wide blade flat screw driver to push the Harley Connector lock-tabs away from the red wedge lock as shown in Photo 1. Pull the wedge lock up as shown in Photo 2. *The wedge lock should never be removed from the housing for insertion or removal of the contacts.*

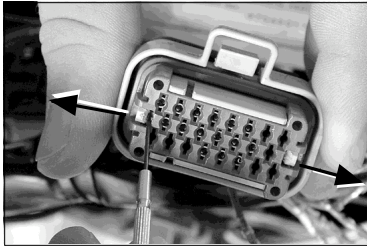


Photo 1 - Connector Disassembly Step 1

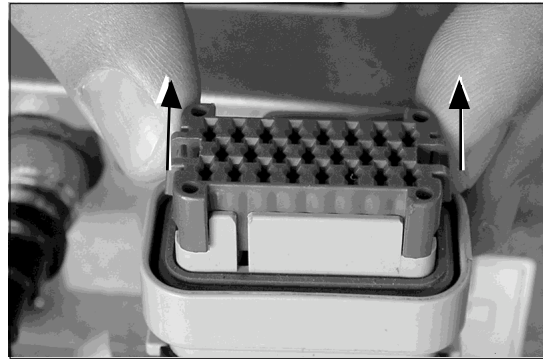


Photo 2- Connector Disassembly Step 2

Technique for removal of contacts from the Harley Connector housing (Photos 3 and 4):

Grab the wire to be removed (shown in the next section) with needle nose pliers. Gently pull the wire while rotating the wire back and forth over a half turn (1/4 turn in each direction), until the contact is removed.

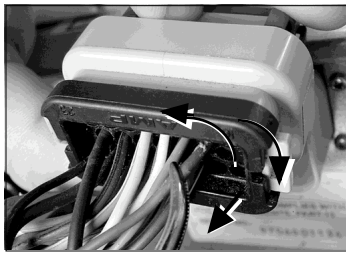


Photo 3- Pin Removal, Step 1

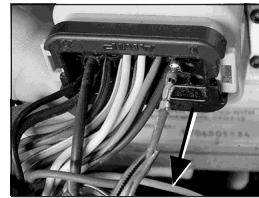


Photo 4- Pin Removal, Step 2

End of Removal Technique

The sequence for installing the Kennedy harnesses is:

- ◇ Locate and remove the appropriate contact from the Harley Connector.
- ◇ Place a piece of heat shrink over the corresponding mating pin on Kennedy harness.
- ◇ Press the Kennedy mating pin and the Harley Harness contact together (refer to Photo 5 and 6) until the locking tangs on Kennedy harness mating pin disappear into the Harley connector contact.

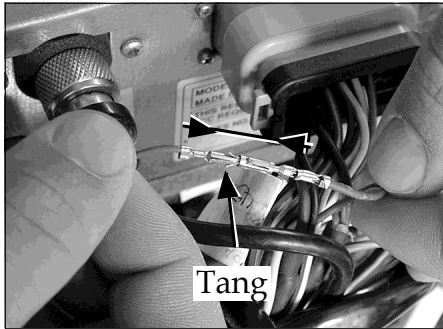


Photo 5- Pin and Socket, pre-Seated

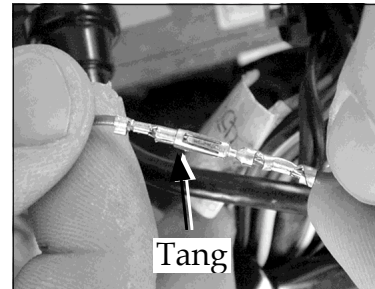


Photo 6- Pin and Socket, Seated

Slide the heat shrink tube back over the mating pair. Center the contact pair within the heat shrink (see Photo 7). Apply heat as shown in Photo 8. Let the heat shrink cool completely before moving the connection.

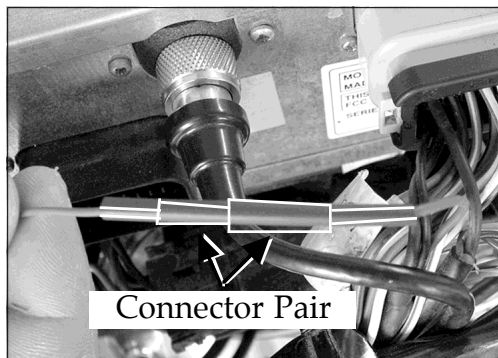


Photo 7- Heat shrink Position



Photo 8- Heat Application

Insert the proper Harley Connector contact of the Kennedy Amp harness into the empty position just created.

Installing Kennedy Harnesses part #85910 and 85911

Locate Kennedy harnesses part #85910 and 85911 and 5 pieces of 1/8" diameter x 2" shrink-wrap, from kit part number 85615-10.

Refer to Figures 2 and 2a and make the connections between Harley connector 28B and Kennedy harness 85910, and Harley harness 28B and Kennedy Harness 85911.

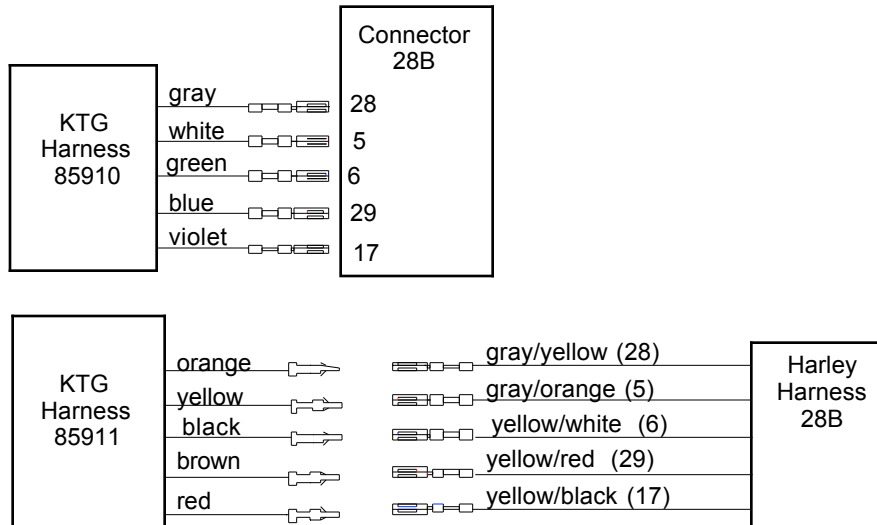


Figure 2. Kennedy Amp harness 85910 and 85911 Connection

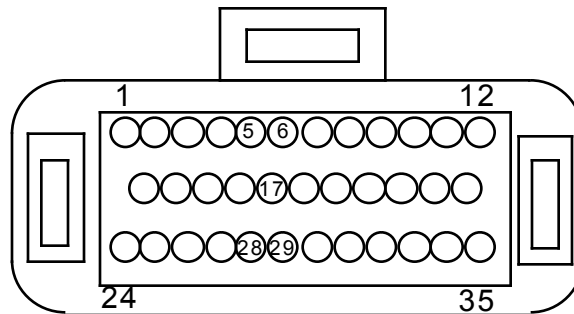


Figure 2a. Pin locations, Harley Connector 28B

Installing Kennedy Harness part #85909 (For GPS devices that support Bluetooth Cell phone audio)

Locate Kennedy harnesses part #85909 and 3 pieces of 1/8" diameter x 2" shrink-wrap, from kit part number 85615-10.

Refer to Figures 3 and 3a and make the connections between Harley connector 28B, Harley harness 28B and Kennedy Harness 85909

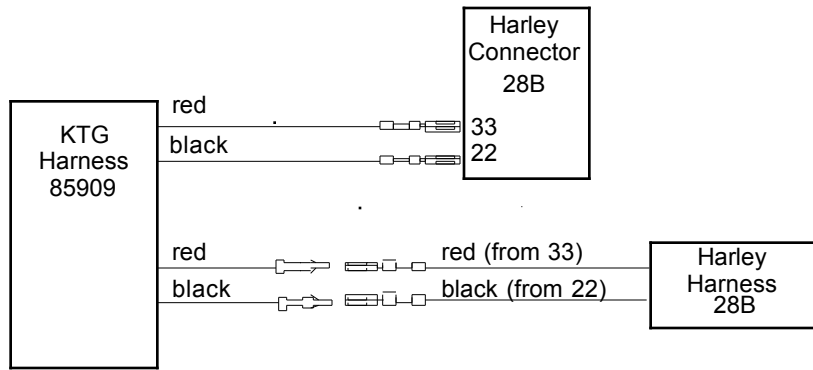


Figure 3. Kennedy harness 85909 Connection

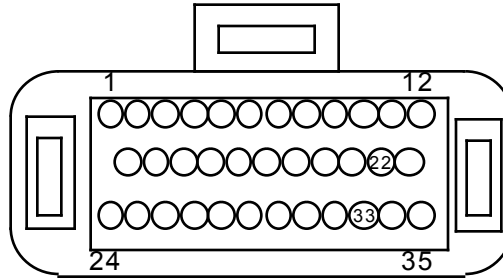


Figure 3a. Pin locations, Harley Connector 28B

NOTE: If a contact pair is connected in error, carefully cut the heat shrink down its length with the razor blade and pull it off the mated contacts.

Installing Kennedy Power harness part #85584

Disassemble Harley connector 27B as you did to Harley connector 28B (see photos, previous pages).

Locate Kennedy harnesses part #85584 and 2 pieces of 1/8" diameter x 2" shrink-wrap, from kit part number 85615-10.

Figure 4 and 4a shows the connections to be made between Harley connector 27B, Harley harness 27B, and Kennedy Harness part # 85584.

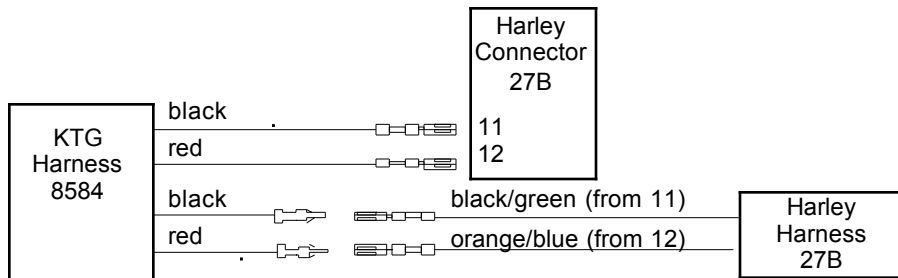


Figure 4. Kennedy Amp harness 85584 Connection

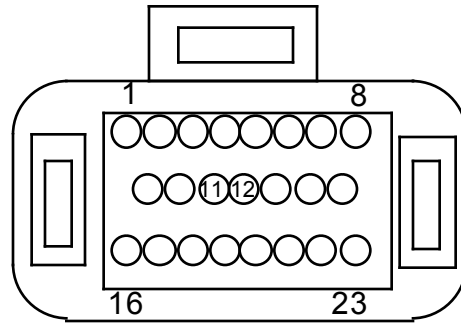


Figure 4a. Pin locations, Harley Connector 27B

GO BACK AND REVIEW THE MATING CONTACT WIRE COLORS!

Reassemble the Harley connectors by pressing the red wedge lock down until the locking tabs seat. If any Harley connector contact is not seated correctly, the red wedge lock will not close. Push any unseated contact further into the connector.

Plug Harley connectors 27B and 28B back into the radio.

MODULE INSTALLATION AND DEVICE HARNESS CONNECTION

Mount the main unit on top of the radio. Feed long tie wraps through the holes on the Kennedy module's mounting tabs and attach them around the large Harley harness found adjacent to the bike's speedometer and tachometer.

Connect the Kennedy Module to the Kennedy Harnesses as shown in Figure 5.

Connect the Kennedy GPS and Alert device harnesses to the mating connectors on the main Kennedy Module. Route the device harnesses to the mounted GPS and Alert devices.

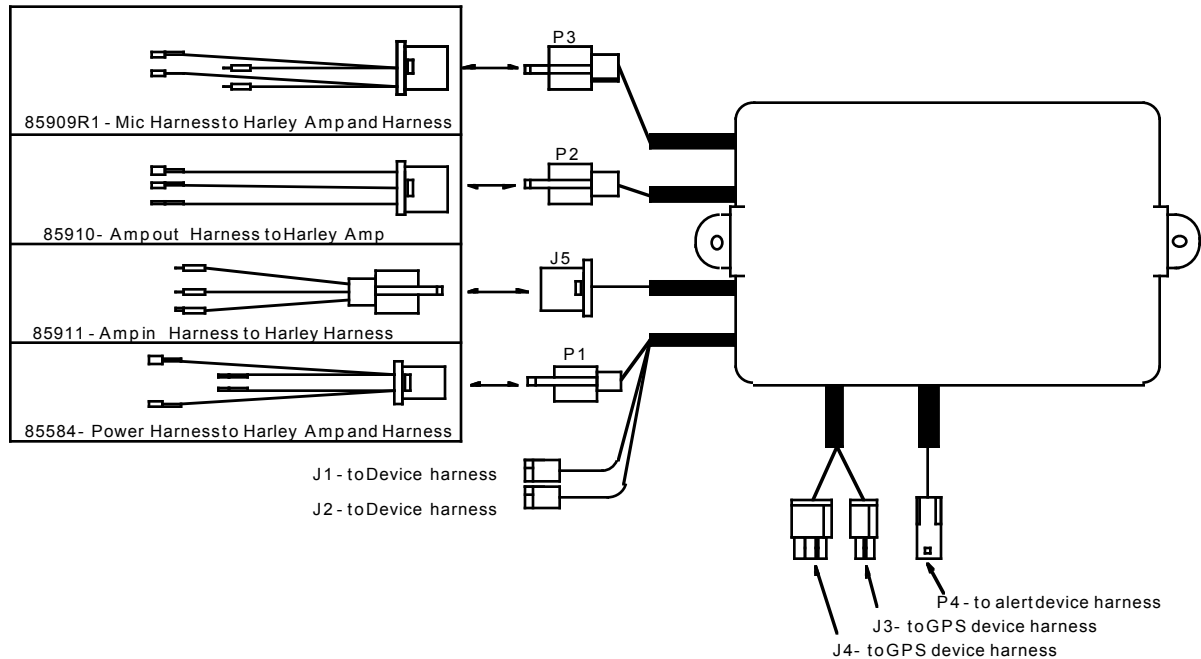


Figure 5. Kennedy Connectors and Harnesses

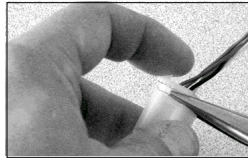
Should you need to disconnect plugs P1, P2, P3, or J5, refer to the [Plug Disconnect Hints](#) at the end of this installation guide.

Refer to the User Guide and test for proper operation

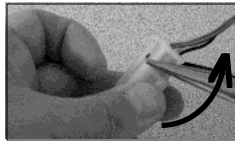
Once proper operation is verified, replace all the Harley harness sheathing and wire-tie the Kennedy Harnesses into place. Reinstall the fairing and windscreen.

Plug-set Disconnect Hints

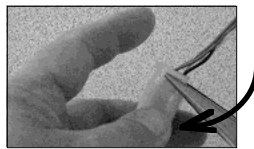
Press down on the locking tab. Grip the connectors between mating parts with a pair of needle-nosed pliers.



While holding the locking tab down, rock the pliers back...



and forth.



NEVER, NEVER PULL THE WIRE