



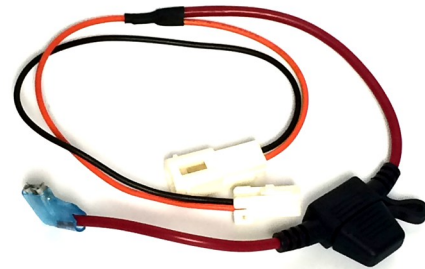
Custom Dynamics® TruBEAM® Passing Lamp Control Harness Installation instructions

We thank you for purchasing the Custom Dynamics® Passing Lamp Control Harness. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Number: TB-PLHLK-2

Package Contents:

- Passing Lamp Control Harness (1)
- Instructions (1)



Fits: 1997-2013 Harley-Davidson® Road King® and 1996-2017 Softail® models with 4.5" OEM passing lamps.

Road King® Installation:

1. Remove all necessary parts to disconnect the negative battery cable from the battery.
2. Remove the headlight assembly.
3. Remove the passing lamp toggle switch from the back of the headlight housing. Route the toggle switch and the 4 pin connector for it out of the front of the headlight housing for wiring access.
4. Locate the black wire in the 4 pin connector. Trace the wire to where it is connected to the toggle switch. Unplug the female terminal on this wire from the toggle switch. Shown in **Figure 1**. **Note:** Some models have switches with non-removable wiring. If so, cut the common wire from the switch. Then cut the single wire connector off of the Passing Lamp Control Harness and connect it to the wire from the switch with a butt connector or solder. Shown in **Figure 2** on Page 2.



Please read all Information below before Installation

Note: Read all installation instructions before beginning. Do not attempt installation if you are unsure of any steps within this instruction guide; consult a qualified technician or dealer.

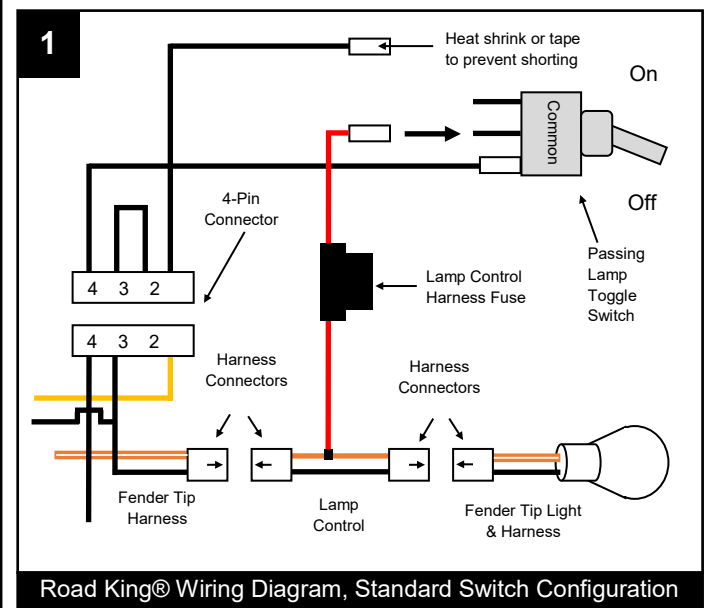
Important: A manufacturers factory service manual is needed for reference on how to remove the headlight.

Important: For Softail® applications, a manufacturers factory service manual is needed for reference on how to remove or partially remove the gas tank.

Safety First: Always follow the basic safety guidelines while working. Park the motorcycle on a flat level surface and make sure ignition is OFF.

Caution: Disconnect the Negative battery terminal from the battery to avoid electrical shock. If your Model is equipped with a main fuse, remove it as outlined in the service manual.

Warning: Ensure proper headlight and passing lamp operation before riding motorcycle. Malfunction of either or both while riding could result in injury or death.

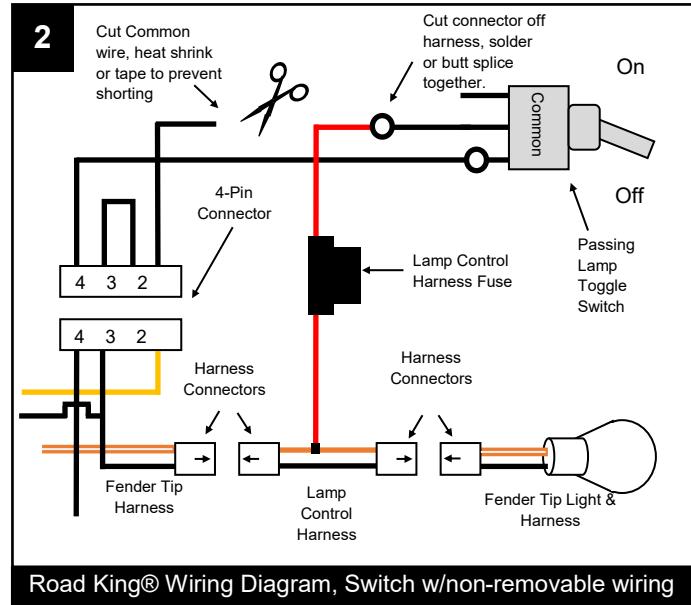


Road King® Wiring Diagram, Standard Switch Configuration

Questions? Email: Info@CustomDynamics.com or Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

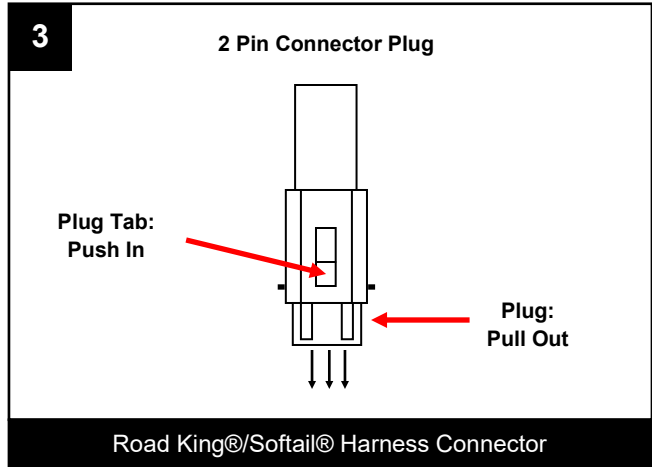
Installation Instructions - Page 2

Road King® Installation Continued:



Road King® Wiring Diagram, Switch w/non-removable wiring

5. Locate the red wire with the insulated female spade connector from the harness assembly. Connect this wire to the spade on the toggle switch the black wire was removed from in step 4.
6. Using a piece of heat shrink or electrical tape (**sold separately**), cover the end of the female spade connector on the black wire removed in step 4. This will prevent connection from shorting.
7. Locate the 2 pin connector with an orange/white stripe wire and a black wire that is in-line going to the fender tip light. Unplug connectors. **Shown in Figure 3.**



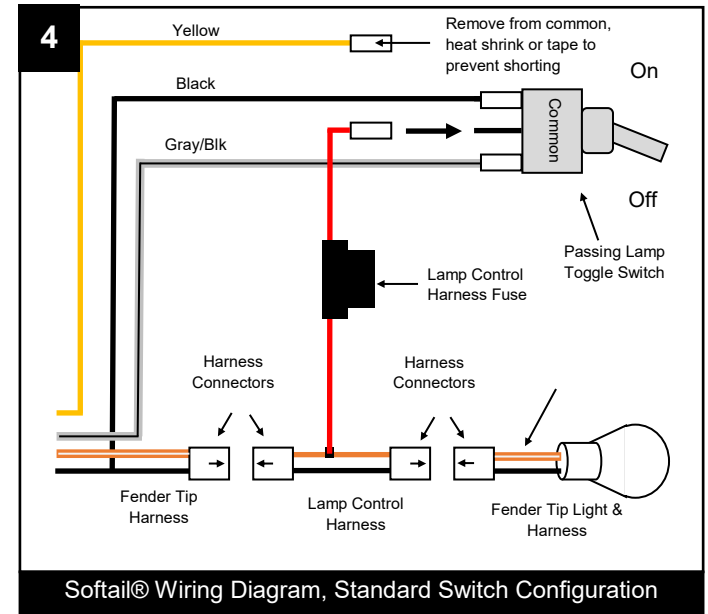
Road King®/Softail® Harness Connector

8. Install the 2-pin connectors from the harness assembly into each of the 2-pin connectors of the fender tip harness, male to female and female to male.
9. Reinstall the toggle switch in the original position, secure all wiring from being cut, frayed or pinched. Reinstall headlight assembly.

10. Reconnect the negative battery cable to the battery and all necessary parts.
11. Test passing lamps for proper operation. The Custom Dynamics® TruBEAM® Passing Lamp Control Harness allows the function of the passing lamps to stay ON when the high beam on the main headlight is on. Turn on ignition power, but do not start the engine. Test the function of the passing lamps by turning them on and off with the rocker switch on the dash. Make sure they turn on and off on both low and high beam operation.

Softail® Installation:

1. Remove all necessary parts to disconnect the negative battery cable from the battery.
2. Remove the toggle switch from the left rear cowl cover and route out from behind the panel to allow access to wiring.
3. Unplug the yellow wire from the toggle switch. **Shown in Figure 4.**



Softail® Wiring Diagram, Standard Switch Configuration

4. Use a piece of heat shrink or tape (**sold separately**) to cover the spade connector on the yellow wire to prevent shorting.
5. Plug the red wire with the spade connector from the Passing Lamp Control harness to the toggle switch in the position where the yellow wire was removed. **Shown in Figure 4.**
6. Locate the black 2 pin connector containing an orange with white stripe wire and a black wire that goes to the front fender tip light. This connector is located behind the left front side of the fuel tank. **Note: For this step, you may need to remove the fasteners that secure the fuel tank and either slide tank back or remove to gain access to the harness connector. Please refer to the detailed service manual for instructions on removing the tank.**

Installation Instructions - Page 3

Softail® Installation Continued:

7. Once harness connector is located, unplug the connectors by pushing in the center tab and pulling the male and female sides apart. Shown in **Figure 3 on Page 2**.
8. Install the 2 pin connectors from the Harness assembly into each of the 2 pin connectors of the fender tip harness, male to female and female to male.
9. Reinstall the fuel tank, following the instructions in the detailed service manual.
10. Route the toggle switch and wiring back behind the panel and reinstall the switch into the rear cowl cover.
11. Reconnect the negative battery cable to the battery and all necessary parts.
12. Test the passing lamps for proper operation. The Custom Dynamics® TruBEAM® Passing Lamp Control Harness allows the function of the passing lamps to stay ON when the high beam on the main headlight is on. Turn on ignition power, but do not start the engine. Test the function of the passing lamps by turning them on and off with the toggle switch. Make sure they turn on and off on both low and high beam operation.

