



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:

- Harness Assembly (1)
- Instructions (1)

Fitment: '97 – '13 Road Kings with passing lamps. '96 and up Softails with factory passing lamps.



ATTENTION



Please read all Information below before Installation

Notice: 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 headlamp.

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 headlamp and passing lamp operation before riding motorcycle. Malfunction of either or both while riding could result in injury or death.

Installation on Road King Models

1. Refer to the manufacturer service manual for procedure on removing the headlamp assembly, remove.
2. 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.
3. 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.
(See Figure A, page 2)

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 Harness assembly and connect it to the wire from the switch with a butt connector or solder. (See Figure B on Page 2)



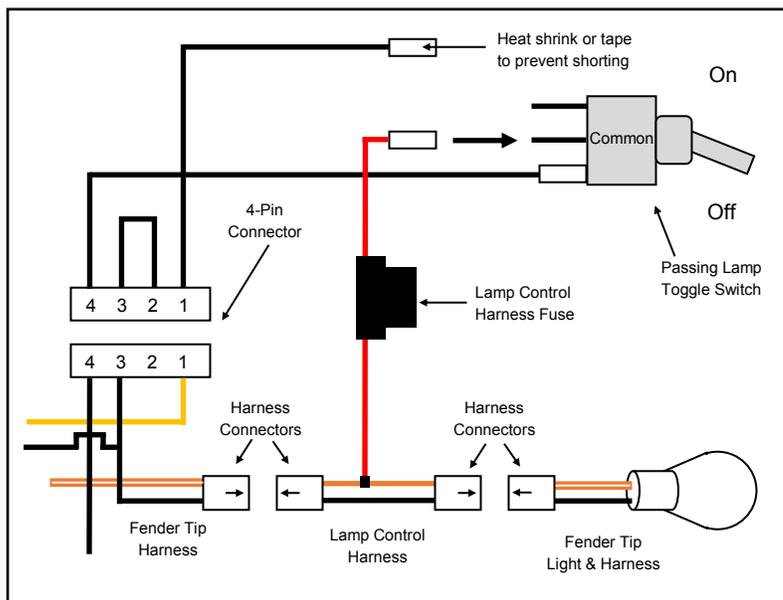
Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

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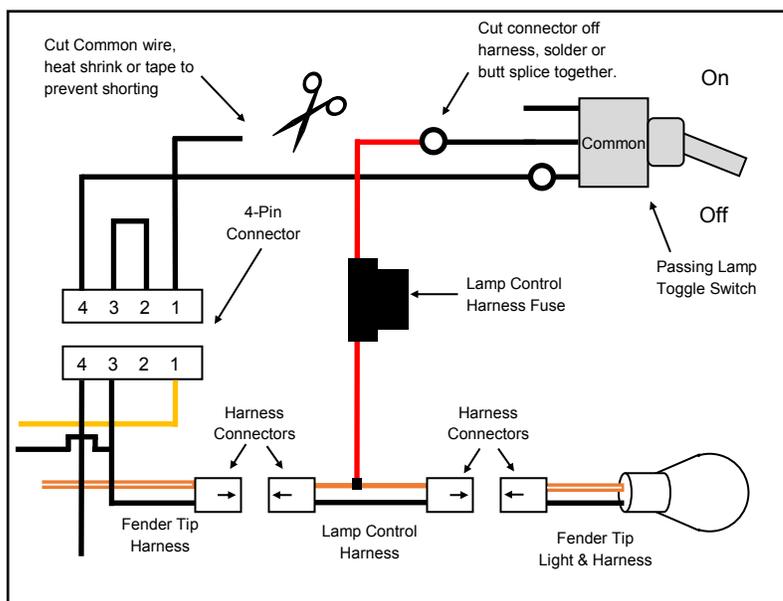
Road King Models - Continued

4. 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 the black wire was removed from in step 3.
5. Using a piece for heat shrink or electrical tape (not provided), cover the end of the female spade connector on the BLACK wire removed in step 3. This will prevent connection from shorting.
6. 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. (See Figure D on page 3)
7. 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.
8. Re-install the toggle switch in the original position, secure all wiring out of the way to ensure nothing gets pinched, cut or frayed. Reinstall headlamp assembly following instructions in the detailed service manual.
9. Re-install the main fuse as outlined in the service manual and or reconnect the negative battery cable to the battery.

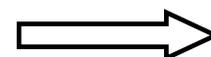
10. Test function of the Passing lamps. This assembly allows the function of the passing lamps to stay ON when the High beam on the main headlamp is on. Turn on ignition power, but do not start the engine. Test the function of the passing lamps by turning them on and off with the rocker switch on the dash. Make sure they turn on and off on both low and high beam operation.



Road King Wiring Diagram, Standard Switch Configuration - Figure A



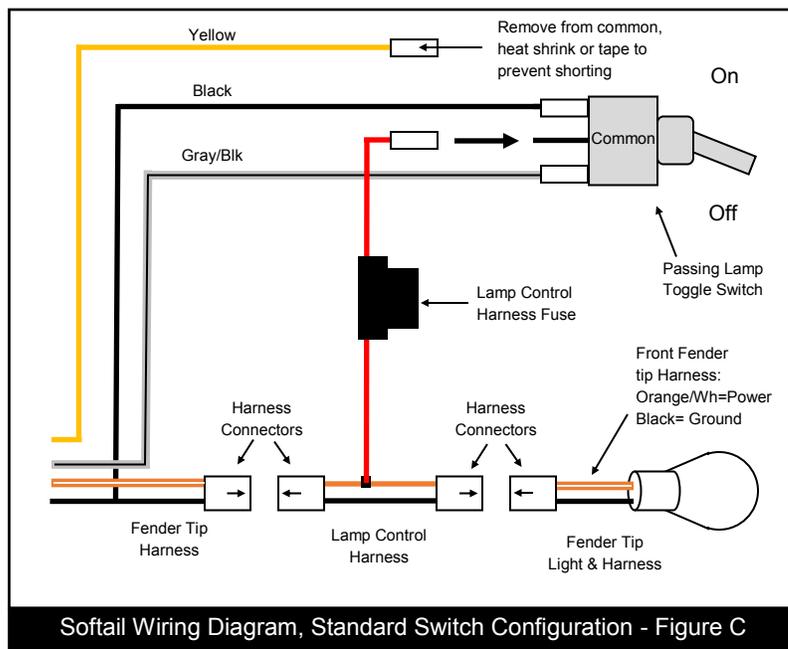
Road King Wiring Diagram, Switch w/non-removable wiring - Figure B



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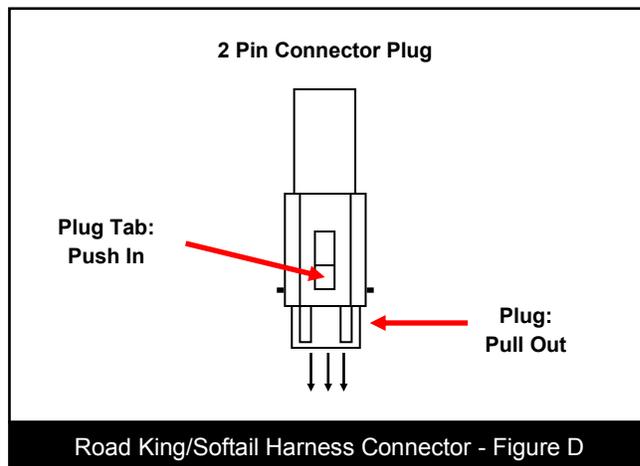
Installation on Softail Models

1. Remove the toggle switch from the left rear cowl cover and route out from behind the panel to allow access to wiring.
2. Unplug the YELLOW wire from the toggle switch. (See Figure C)
3. Use a piece of heat shrink or tape (not provided) to cover the spade connector on the YELLOW wire to prevent shorting.
4. Plug the Red wire with the spade connector from the Lamp control harness to the toggle switch in the position where the yellow wire was removed. (See Figure C)



5. 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.



6. Once harness connector is located, unplug the connectors by pushing in the center tab and pulling the male and female sides apart. (See Figure D)
7. 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.
8. Re-install the fuel tank, following the instructions in the detailed service manual.
9. Route the toggle switch and wiring back behind the panel and re-install the switch into the rear cowl cover.
10. Re-install the main fuse as outlined in the service manual and or reconnect the negative battery cable to the battery.
11. Test function of the Passing lamps. This assembly allows the function of the passing lamps to stay ON when the High beam on the main headlamp 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.