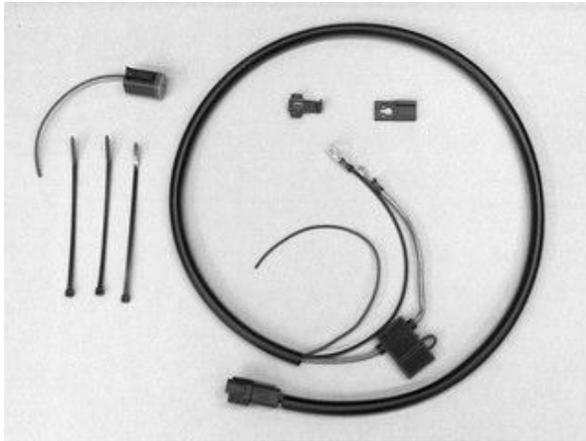


DEAD CENTER FAIRING WIRING HARNESS

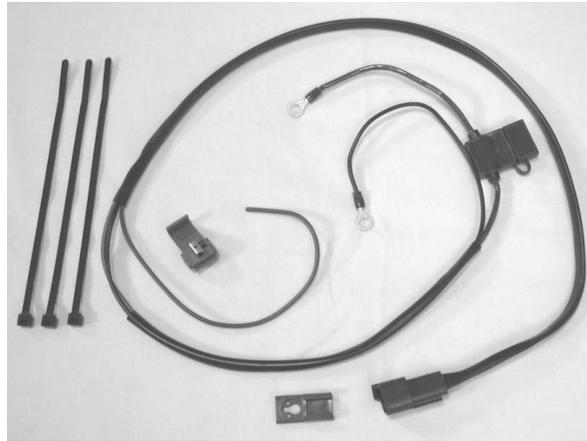
Instructions v2.0

Parts included:

- Wiring harness
- Connector mounting clip
- Zip ties
- Wire tap connector
- 6-pin plug with single wire (Softail models only)



Softail



Road King and Freewheeler

Softail models - general information

The wiring harness is run from the battery area (under the seat), under the fuel tank, to the steering head area.

Road King and Freewheeler models - general information

The wiring harness is run from the battery area (under the seat), under the dash on top of the fuel tank, to the steering head area.

Road King and Freewheeler - 2014 and later models

Touring Electrical Connection Update Kit 69200722 from Harley Davidson, which plugs into the accessory connector to provide 12 volt power leads, is required. Install as per instructions.

pre 2011 Softail models - wiring harness preparation

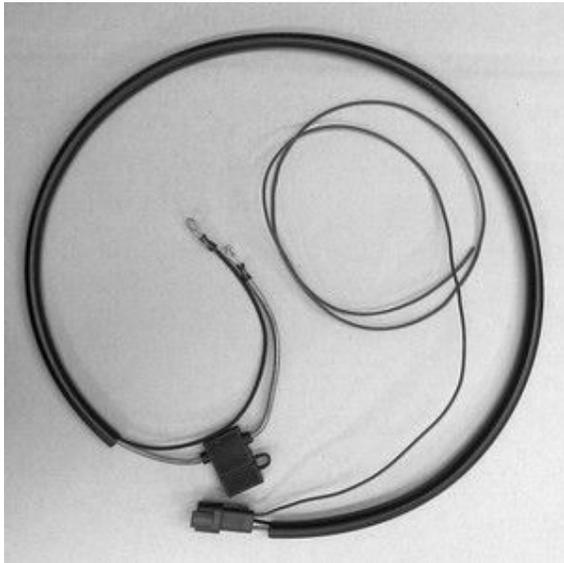
Pull brown wire out of black protective tubing. (see photo)



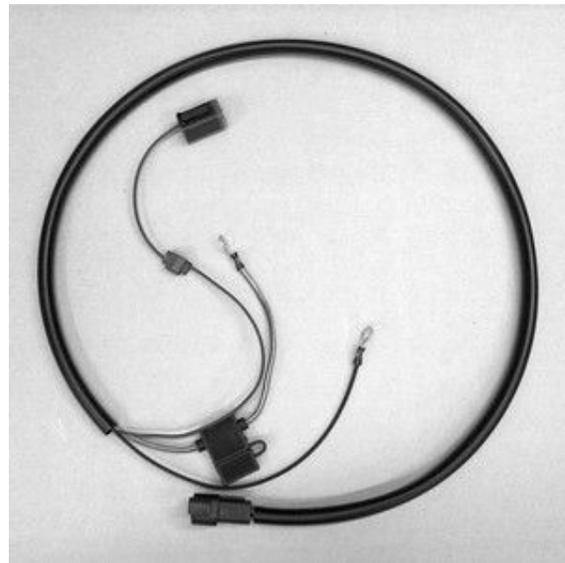
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2011+ Softail - wiring harness preparation

Using the included blue wire connector, connect the end of the brown wire in the main wiring harness to the end of the single brown wire coming out of the 6 pin plug. (see photo)



pre 2011 Softail harness prep



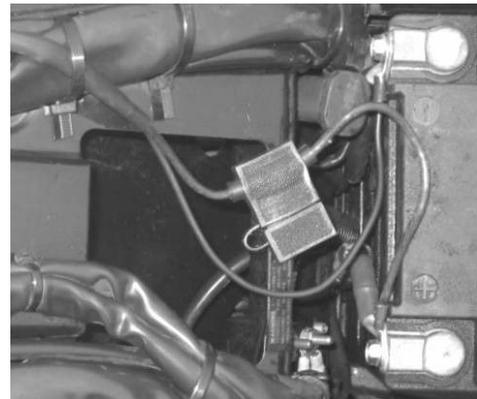
2011+ Softail harness prep

Preliminary disassembly—all models

Remove seat according to owners manual. Remove dash according to owners manual. Disconnect the negative terminal of the battery. Disconnect the positive terminal of the battery.

Preliminary disassembly—all Softail models

Remove the fuel tank bolts at the front and rear of the tank according to owners manual.

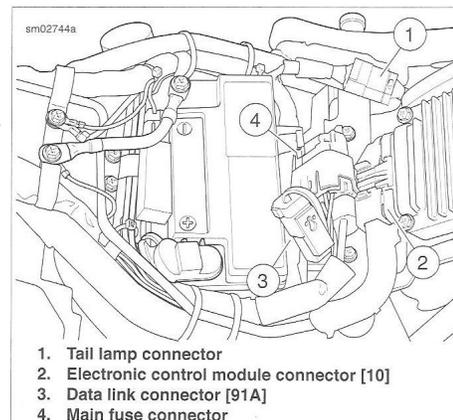


Under seat connections—all models

One end of the Dead Center Fairing wiring harness has a black wire terminating in a ring connector as well as a fused red wire which also terminates in a ring connector (or two of each). Connect the ring connector of the fused red wire(s) to the positive (+) battery post while also re-connecting the main positive wire terminal to the positive (+) battery post. Connect the ring connector of the black wire(s) to the negative (-) battery post while also re-connecting the main negative wire terminal to the negative (-) battery post.

Under seat connections - 2011+ Softails

One end of the Dead Center Fairing wiring harness



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contains a 6 pin connector with a single brown wire. This connector should be plugged into the DLC (Data Link Connector) port which is located under the seat at the rear of the battery area (Item #3 in diagram above).

Under seat connections - 2014+ Road King and Freewheeler models

Connect the brown wire from the Dead Center Fairing wiring harness to the violet/blue wire (ignition/accessory power) in the harness installed in the Harley Davidson Touring Electrical Connection Update Kit (part number 69200722).

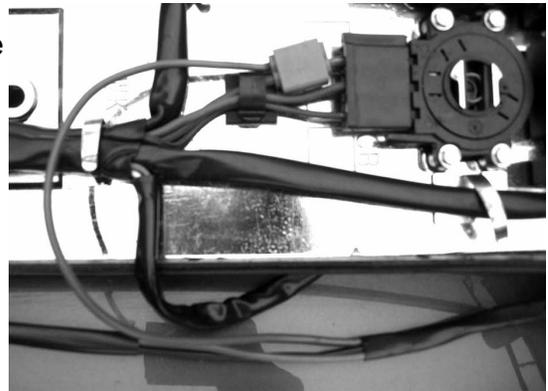
Wiring harness routing—Softail models

Slightly lift the rear of the fuel tank and run the Dead Center Fairing wiring harness from the battery area along the right side of the frame next to the motorcycle's main wiring harness.

NOTE: Be careful not to strain fuel line connection. Lower rear of fuel tank. Run the Dead Center Fairing wiring harness along the right front portion of the frame to the base of the right side of the steering head. You will need to fish the connector up between the right tab of the fuel tank and the frame and up the right side of the steering head. Reinstall the fuel tank bolts according to the factory service manual.

IGN ON connection—pre 2014 Road King and pre 2011 Softail

The brown wire that extends alone from Dead Center Fairing wiring harness should be powered when the ignition switch is in the IGN and ACC positions, and not powered when in the OFF position. One of the wires going to your ignition switch provides power accordingly. In order to locate the correct wire, connect the ground wire of a test light or 12v tester to a ground on the bike such as a bare spot on the frame or the negative battery post and connect the positive to the bare metal portion of the wire at the connector under the dash. The test light should illuminate or 12v tester should show + 12v when the ignition switch is in the IGN ON and ACC ON positions, and should be off/no voltage when in the OFF position. Using the brown wire tap provided, connect the brown wire from the middle of the Dead Center Fairing wiring harness to the appropriate ignition switch wire.



Connector mounting - Road King and Freewheeler models

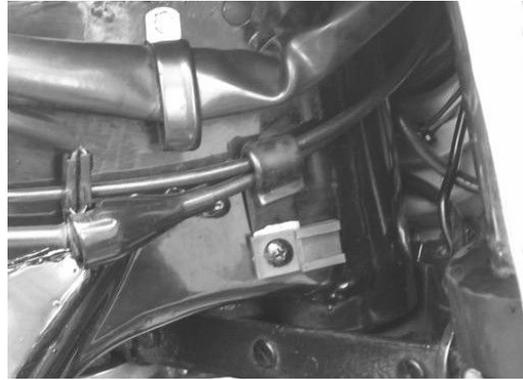
Move the handlebars such that the front wheel is turned to the left. On older models, on the right side of the frame near the steering head and to the left of the right fork there is a Phillips pan head screw which holds a J-strap for the throttle cables. Mount the connector mounting clip under this screw on right side of frame. Alternatively the connector can be zip-tied to the J-strap, or on newer models without J-strap, the connector can be zip-tied to the throttle cables or electrical wiring in this area.



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Right side of Road King steering head

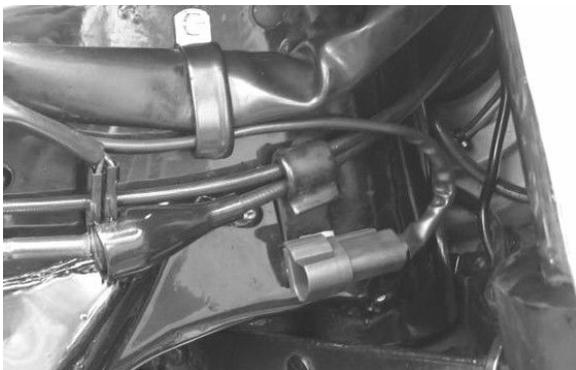


Mounting clip installed

NOTE: The captive nut here is a light press fit in the frame. Avoid inward pressure on it as much as possible as it can be pushed inside the frame, in which case it cannot be easily recovered. On the opposite side of the frame is an identical hole with a hole plug. If you lose the captive nut inside the frame, one solution is to remove this hole plug and run a 3" long #10 screw through the frame utilizing a washer and nut on the left side.

The screw should now hold both the original J-strap for the throttle cables as well as the connector mounting clip for the Dead Center Fairing wiring harness.

Run the wiring harness such that near the connector it turns 180 degrees with the opening of the plug facing rearward. There is a wiring harness mounting ring on the right side of the frame. Optionally, you may wish to unscrew its mounting screw and run the Dead Center Fairing wiring harness through this wiring harness mounting ring also. Reinstall the mounting ring screw. (On later models it is riveted in place - often the connector can be threaded through the ring, if desired.) Using a zip tie, attach the Dead Center Fairing wiring harness to the motorcycle's wiring harness where they cross just below the front lower edge of the dash. Slide connector onto the mounting clip.



Female plug installed on mounting clip



Connecting male plug from fairing



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Connector mounting - Softail models

Move the handlebars such that the front wheel is turned to the left. Mount the connector mounting clip with a zip tie to the vent hose on the right side of the frame and through the rubber mounting ring at the lower front portion of the dash through which the factory vent hose is zip tied. Run wiring harness such that the opening of the plug faces downward. Slide connector onto the mounting clip.



Right side of steering head prior to install



Connector mounting clip zip tied to vent hose



Plug mounted and facing downward



Softail with male plug from fairing connected

Final assembly - all models

Reinstall dash according to owners manual, being careful to ensure that the Dead Center Fairing wiring harness is under the dash but not pinched before tightening dash in place
Reinstall seat according to owners manual.



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