

TRAILER WIRING PLUG (HD 110)

This “plug” is designed to ease the installation of the wiring harness from the trailer to the motorcycle. There is no need to splice into the wiring harness of the motorcycle when using this “plug” harness. Can be used with Harley kit #91699-99A. Can be installed before or after Kit #91699-99A –or– installed without kit #91699-99A. This “plug” fits 1996 and later Softail models, and 1997 and later FLHT, FLHR, and FLTR? models.

1. Remove the seat.* (Follow the seat removal portion of the owner’s manual).
2. Disconnect the battery ground.*
3. Locate the black plug that connects the rear wiring harness to the main harness. It is just behind the battery on the left of center of the rear fender. See Figure 1.
4. Unplug the rear harness. See Figure 2.
5. Insert the “plug”(the one with the smaller end) into the existing plug (main harness of the motorcycle), then insert “plug” (the larger end) into the existing rear harness (of the motorcycle) plug. See Figures 3 and 4.
6. Install the wires from the trailer plug along either side of the motorcycle and trim to fit neatly.
7. The short wires from the “plug” are marked for the proper light hook ups.
8. After you trim the wires from the trailer, strip the ends and install into the proper butt connectors to match the trailer wiring. (see labels on the wires of the “plug” attachment.)
9. Connect the battery ground and test to see that all the lights are working properly. **NOTE:** To waterproof ends of wires, dip ends into silicone before crimping.
10. Reinstall the seat and you are ready to ride with your trailer.

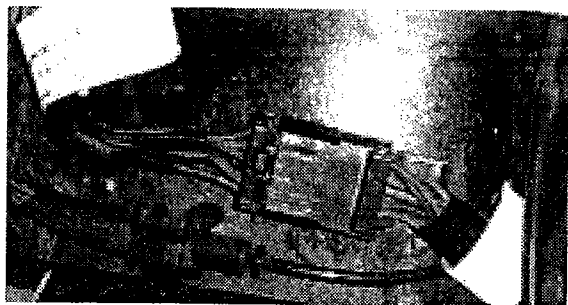


FIGURE #1



FIGURE #2

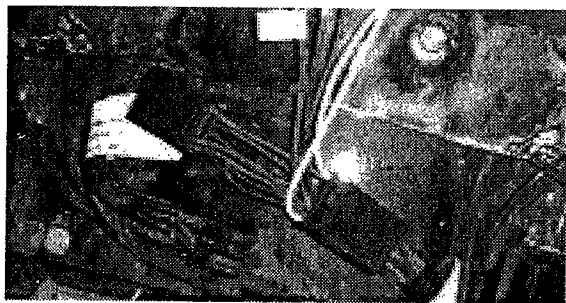


FIGURE #3



FIGURE #4

***WARNING:** To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative cable first) before proceeding. Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. Refer to the Service Manual and follow the instructions given to remove the seat and disconnect the battery cables, negative cable first.

WARNING: When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse protecting the circuit being modified. Exceeding the maximum amperage could lead to electrical failures which could result in death or serious injury.

CAUTION: Additional electrical equipment can overload the motorcycle’s electrical system and can cause an unsafe operating condition. If your combined electrical accessories consume more electrical current than your vehicle’s charging system can produce, the electrical consumption can discharge the battery leading to Vehicle electrical system damage. Ask your dealer for advice about the amount of current consumed by additional electrical accessories.

NOTE: This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from any Harley-Davidson Dealer.

INSTALLATION NOTE if your trailer has a 2 light system: If the trailer has only 2 lights, then you must install it after the kit that is called a Bad lander kit (kit #91699-99A, it turns the rear turn signals into brake lights). You will Not have to use the Blue wire(stop wire). If you do not have the Bad lander kit, then you will have to change the lights on the trailer, so you have a 4 lights system.