



## INSTALLATION INSTRUCTIONS

PLUG and PLAY ISOLATOR/CONVERTOR, and 4  
WIRE HARNESS for all 2014 FLHR, FLHTKSE  
Touring Models w/KW hitch  
Mfg. p/n 720752 (See pkg. label for Dist. p/n)

### ATTENTION INSTALLER (if other than owner):

Please forward this instruction sheet and the warranty card to the purchaser of this product. These instructions also contain valuable information necessary to the end user.

### INTRODUCTION:

These instructions describe the procedure for properly installing a KHRÔME WERKS® Isolator/Convertor module, and 4 wire harness on 2014 FLHR and FLHTKSE Touring models equipped with a Khrôme Werks Trailer Hitch. For trailers with combined tail lights/turn signal lights (4 wire system) and a 4 wire flat connection plug. Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations:

**NOTE:** A NOTE provides key information to make procedures easier or clearer.

**CAUTION:** A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle or accessories.

**WARNING:** A WARNING indicates special procedures that must be followed to avoid injury or death to a motorcycle operator or person inspecting or repairing the motorcycle.

### All Models:

**CAUTION:** This kit will not function with trailers that have separate tail lights/turn signal lights (5 wire system). See KW part number 720751.

### TYPICAL TOOLS REQUIRED:

1 – #2 Phillips screwdriver                      1 – terminal crimper  
1 – wire stripper                                      1 – 10mm combination wrench  
1 – side cutter

### PROCEDURE:

1. Remove seat. Wiring harness may be routed to the hitch down either side of the rear fender. One side or the other may allow for the more natural flow of the harness to the hitch depending on the mounting position of the module. Remove appropriate saddle bag.

**WARNING:** Disconnect battery cables (negative cable first) to prevent short circuits before performing following procedures.

2. Find a suitable place under the seat or side cover for the isolator/convertor module. Tie wrap or two way tape in place.

**CAUTION:** Make sure there is adequate clearance between the seat/side cover and the module. Disconnect the factory plugs under the seat or left side cover leading to the rear lighting.

3. Connect the two (2) Molex 6 pin plugs located on one end of the module between the factory plugs to the rear lighting. The single red wire from the module needs to be joined to the inline fuse holder wire and then routed to battery positive using the supplied connectors. Determine correct length and crimp the wires together. Better to leave a little long in the event that rerouting is necessary. Do not connect to the battery at this time.

4. Connect the plug from the supplied 4 wire wiring harness to the remaining plug on the end of the module. Carefully route the wiring harness along the fender struts to the hitch. Insure that the trailer's wiring harness is long enough when plugged into the trailer to allow the tightest turn possible. Secure with tie wraps. See hitch instructions for model specific guidelines.

**WARNING:** Make sure wiring harness cannot make contact with exhaust, rear wheel, brake rotor, caliper, shocks and drive chain or belt.

5. Reconnect the battery (positive first) and test lights and signals. Install seat and saddlebags.

**WARNING:** Do not operate motorcycle/trailer with faulty turn signals, stop or tail lamps. Inspect all connections and routing of wires if lamps do not function properly.

### Hooking up your trailer:

6. Lubricate ball and connect trailer, close and secure coupler lever with safety pin or lock. Connect safety chains. Connect the 4 wire flat plugs and test lights. Torque all mounting hardware after first usage.

BILL OF MATERIALS			
Ref.#	Mfg. P/N	Description	Qty Per
	7207521	4 wire harness, plug-n-play isolator/convertor with 6-pin Molex plugs, inline fuse/fuse holder, wire terminal and butt connector	1

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