

INSTALLATION INSTRUCTIONS

PLUG AND PLAY TRAILER WIRING, '14-UP FLHR/POLICE WITH 5-WIRE TRAILER

2597

THANK YOU FOR CHOOSING KURYAKYN!

Protect yourself and others from possible injury and property damage or loss. Pay close attention to all instructions, warnings, cautions, and notices regarding the installation, use, and care of this product.

WARNING THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN POTENTIAL DEATH OR SERIOUS INJURY.

CAUTION THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN MINOR OR MODERATE POTENTIAL INJURY.

NOTICE THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN MAY NEGATIVELY AFFECT PRODUCT PERFORMANCE AND FUNCTIONALITY OR DAMAGE THE PRODUCT ITSELF OR THE PRODUCT TO WHICH IT IS BEING ATTACHED.

ENSURE THAT THE FOLLOWING PARTS HAVE BEEN INCLUDED IN THE KIT:

- | | | | |
|---|--------------------------------|---|--|
| 1 | Relay Module 5 Wire | 1 | Hardware Kit, containing: |
| 1 | 5 Pin Trailer Plug Harness | 1 | Blue Butt Connectors 16-14 Gauge |
| 1 | Inline Blade Style Fuse Holder | 1 | Blade Fuse 15A |
| | | 1 | Ring Terminal 16-14 American Wire Gauge (AWG), 1/4" Stud |

YOU WILL ALSO NEED:

Wire stripper/cutter, wire crimpers, #2 Phillips screw driver, socket and ratchet set, in-lbs (Nm) torque wrench

NOTICE THESE INSTALLATION INSTRUCTIONS CONTAIN IMPORTANT INFORMATION. ENSURE THE END USER RECEIVES THIS COPY AND IS AWARE OF ITS IMPORTANCE FOR FUTURE USE.

WARNING A FACTORY SERVICE MANUAL WILL BE HELPFUL IN PERFORMING THIS INSTALLATION. DO NOT ATTEMPT TO PERFORM THIS INSTALLATION IF YOU ARE NOT CONFIDENT IN YOUR ABILITY TO COMPLETE ALL OF THE STEPS IN THE PROCEDURE; CONSULT A TRAINED TECHNICIAN. IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

WARNING ACCIDENTAL VEHICLE START-UP COULD CAUSE DEATH OR SERIOUS INJURY, REMOVE THE MAIN FUSE BEFORE PROCEEDING.

STEP 1 Read and understand all steps in the instructions before starting the installation. Park the motorcycle on a hard, level surface and turn off the ignition. Let motorcycle cool.

STEP 2 Refer to PIC 2. Remove motorcycle's seat, left side saddlebag (if applicable), left side cover, and the main fuse. Set all aside, they will be reused.

STEP 3 Refer to PIC 3 and 4. Remove the two (2) mounting screws holding the top caddy and Electronic Control Module (ECM) in place. Lift the ECM up to gain access to the battery.



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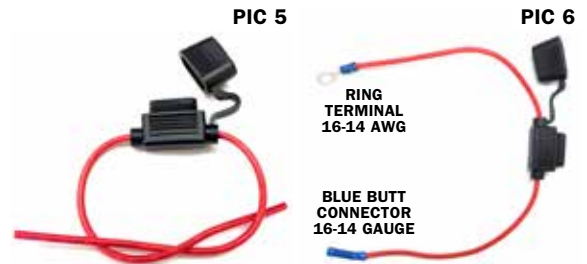
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STEP 4 Refer to PIC 5. Locate the provided Inline Blade Style Fuse Holder, Blue Butt Connectors 16-14 Gauge, and the Ring Terminal 16-14 AWG. Strip both ends of the Inline Blade Style Fuse Holder.

STEP 5 Refer to PIC 6. Place the Blue Butt Connector on one of the stripped ends of the fuse holder and crimp the end of the connector covering the exposed wire.

STEP 6 Refer to PIC 6. Place the Ring Terminal on the other stripped end of the fuse holder and crimp the terminal covering the exposed wire.



⚠ WARNING REDUCE THE RISK OF SPARKS AND UNINTENTIONAL ENGINE START-UP; DISCONNECT THE NEGATIVE BATTERY CABLE.

STEP 7 Refer to PIC 7 and 8. Disconnect the negative (-) terminal, followed by the positive (+) terminal. Align the hole of the ring terminal of the Inline Blade Style Fuse Holder with the positive terminals; connect all of the terminals to the battery. Once the positive terminals are reconnected, reconnect the negative terminal to the battery.

TORQUE VALUE FOR BATTERY TERMINAL BOLT:
60-70 IN-LBS (6.8-7.9 NM)

STEP 8 Lower and reposition the EMC/top caddy accordingly. Secure the top caddy using the two bolts that were removed in Step 3.

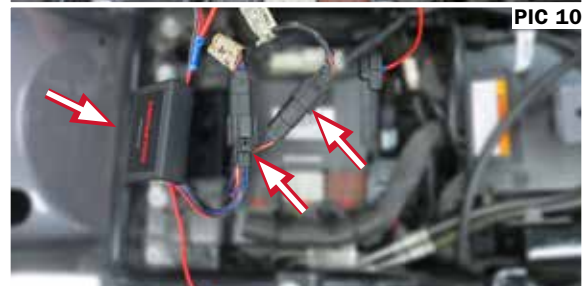
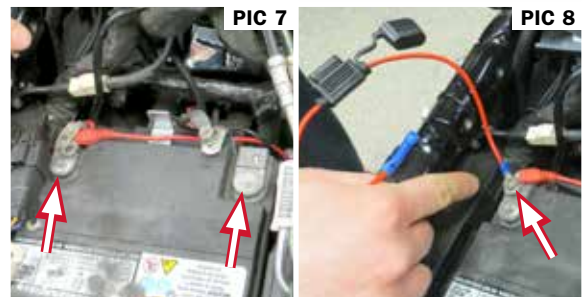
TORQUE VALUE FOR TOP CADDY BOLTS:
72-96 IN-LBS (8.1-10.9 NM)

STEP 9 Refer to PIC 9. Locate and disconnect the rear fender harness connection.

STEP 10 Refer to PIC 10. Locate the Relay Module 5 Wire. Plug-in the mating connectors (located on the same side of the module) between your rear fender harness. Find a safe location to mount the Relay Module under seat or side cover. Use cable-ties or hook and loop fastener to keep the module secure.

STEP 11 Refer to PIC 11. Locate the single RED wire from the Relay Module. Before stripping the wire and connecting it with the Inline Blade Style Fuse Holder, determine desired length needed for the Relay Module RED wire.

Provide a little extra length to the wire, and then strip and splice it with the Blue Butt Connector attached to the Fuse Holder wire. Crimp the connector covering the exposed RED wire of the Relay Module.



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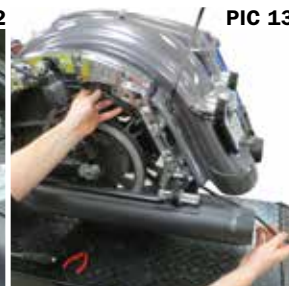
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STEP 12 Refer to PIC 12 and 13. Locate the provided 5 Pin Trailer Plug Harness. Connect the Trailer Plug Harness to the Relay Module. Route the Trailer Plug Harness down and through either side of the rear fender. Fasten the harness to the rear fender to keep it away from the rear wheel and suspension.

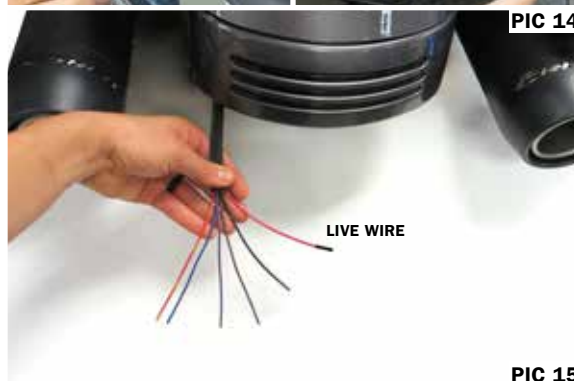


PIC 12



PIC 13

STEP 13 Refer to PIC 14. Connect the trailer plug (not included). The Wire color/functions are as follows:
Brown = Right Turn
Blue = Running light
Violet = Left Turn
Red/Yellow = Brake
Black = Ground
Red with covered end = Live Wire for additional power source



PIC 14

Note: The red live wire is to use with an additional power source. If you are not installing and using an additional power source for your trailer the red live wire must remain covered, and needs to be secured to the other wires.

STEP 14 Refer to PIC 15. Locate the provided Blade Fuse 15A. Insert the fuse into the Inline Blade Style Fuse Holder. Cover the fuse with the plastic cover.

STEP 15 Reinstall the main fuse. Test turn signals, brakes, and trailer lights.

STEP 16 Reinstall the left side cover, left side saddlebag (if applicable), and the motorcycle seat.



PIC 15

NOTICE

IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT ALL OF THE FASTENERS (INCLUDING PRE-ASSEMBLED) ARE TIGHTENED BEFORE OPERATION OF THE MOTORCYCLE. KURYAKYN WILL NOT PROVIDE WARRANTY COVERAGE ON PRODUCTS OR COMPONENTS LOST DUE TO IMPROPER INSTALLATION OR LACK OF MAINTENANCE. PERIODIC INSPECTION AND MAINTENANCE ARE REQUIRED ON ALL FASTENERS.