

HARLEY DAVIDSON MOTORCYCLE EQUIPMENT INSTALLATION MANUAL

(All mounting systems included in this manual were designed specifically for the Ultra-Glide Model Harley Davidson Motorcycle. A current 2014 model year bike was used for development)



TABLE OF CONTENTS:

1. Front lighting option installations
2. Front Side lighting option installations
3. On the rail - Rear lighting option installations
4. On the rail - Side lighting options
5. Radio Box lighting option installations
5. Siren installation options
6. Speaker installation

IMPORTANT:

Read all instructions and warnings before installing and using.
INSTALLER: *This manual must be delivered to the end user of this equipment.*

Front Facing Lighting Options:

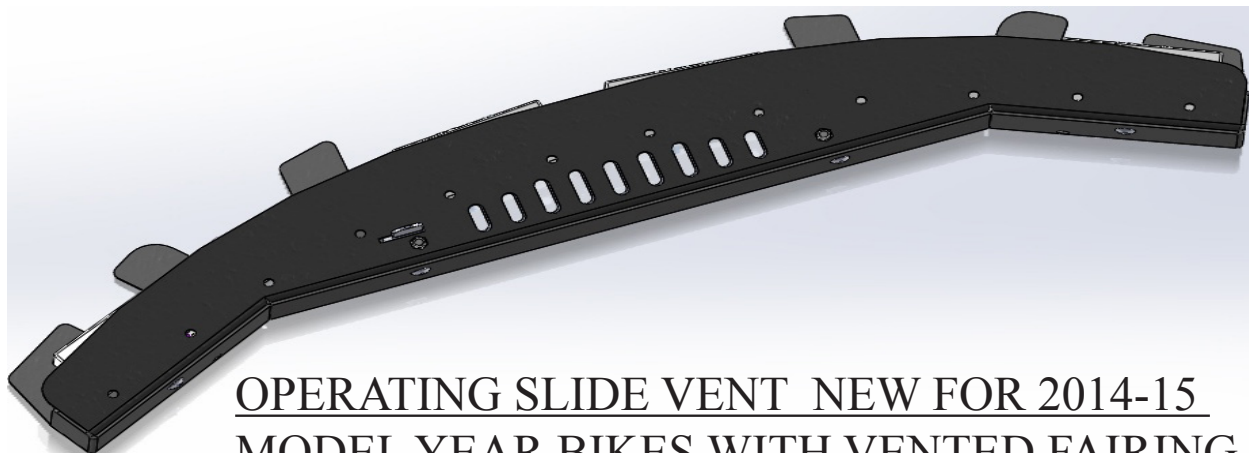


Shown with **(4) XT4 led supervisor,**
PAR 36 light heads

Shown with **(6) XT3 led supervisor,**
PAR 36 led lights and
HXT-MHC2 engine guard light heads
(Engine guard lighting can be used for front or
side lighting applications when installed)

INSTALLATION NOTE:

1. When installing vented supervisor on bike, first open the vent by pressing the rocker switch on the fairing to allow airflow to pass into the inside area of the windscreen.
2. The new slide vent on the supervisor top cover will operate the venting feature after the unit is installed since access to the fairing switch will not be possible after installation.
3. Factory Default flash pattern setting is 5 flash alternating.



OPERATING SLIDE VENT NEW FOR 2014-15
MODEL YEAR BIKES WITH VENTED FAIRING.

Front End Side Lighting Options



TREX LED option shown on the Engine guard mounting system



LXEX125 with **LED-MHC2**
MOTOR GUARD LIGHT



HXT-MHC2
MOTOR GUARD LIGHT
(XT3 OR TREX LED)

“On The Rail” Rear Lighting Options

Common Backing Plate and Bracket are used on all Rear lighting application options.

T57731 Backing plate

T57732 Bracket (Chrome)

NOTE:

All clamping parts of assembly to chrome rails require (1) anti-vibration pad T56311 to be installed at each contact point.

1. **HD1546** rear rail mounting - XT6 or MR6 LED light heads
2. **HD1544** rear rail mounting - XT4 LED light heads
3. **HD1543** rear rail mounting - XT3 or TREX LED light heads
4. **HD1533** rear rail mounting - (2) double stacked XT3 LED light heads

NOTE:

T56311 ANTI-VIBRATION PADS ARE REQUIRED AT ALL BRACKET MOUNTING POINTS IN CONTACT WITH CHROME RAILS OF BIKE.



3 - WAY LICENSE PLATE BRACKET SYSTEM

TOUR PACKAGE BIKES HAVE PLATES THAT ARE MOUNTED IN A TRUE VERTICAL ORIENTATION.

part no: **HDLPBKT2-TP**

NON-TOUR PACKAGE BIKES HAVE LICENSE PLATES THAT ARE MOUNTED SLANTED BACK AT THE TOP OF THE PLATE

part no. **HDLPBKT2**

(both versions of bracket accommodate (4) LED light heads)

“Inside-The-Rail” Side Lighting Options

Common Backing Plate and Bracket are used on all inside-the-rail Side lighting application options.

T57729 Backing plate

T57730 Bracket (Chrome)

NOTE:

All clamping parts of assembly to chrome rails require (1) anti-vibration pad T56311 to be installed at each contact point.

1. **HD1246** side rail mounting - XT6 or MR6 LED light heads
2. **HD1244** side rail mounting - XT4 LED light heads
3. **HD1243** side rail mounting - XT3 or TREX LED light heads
4. **HD1233** side rail mounting - (2) double stacked XT3 LED light heads



NOTE:

T56311 ANTI-VIBRATION PADS ARE REQUIRED AT ALL BRACKET MOUNTING POINTS IN CONTACT WITH CHROME RAILS OF BIKE.

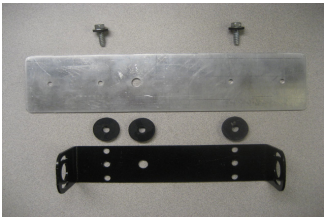
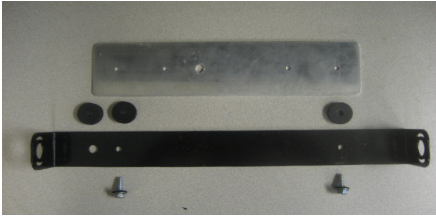
UNDER THE RADIO BOX OPTIONS:

1. **HD1154** side lighting under the radio box for XT4 or MR6 LED light heads
2. **HD1153** side lighting under the radio box for XT3 or TREX LED light heads

Radio Box Lighting Options

REAR OF BOX:

1. XT304 light head assembly HD1104



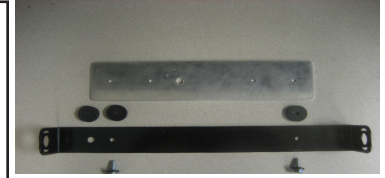
2. XT302 light head assembly HD1102

HDLPBKT2-TP
(Shown with XT3 LED)

SIDE OF BOX:

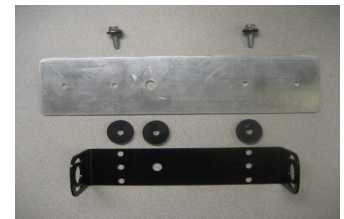
XT302 & XT304 MOUNTINGS:

1. Aluminum backing plate is installed on the inside of the radio box.
2. Black rubber grommets are between the U-shaped mounting bracket and the outside of the radio box.
3. Two rubber grommets are used on mounting bolt locations, One is used for power cord insertion point.
4. Power cord insertion point is off edge of backing plate on XT304 light installation.
5. When installing XT302 light head, the power cord is installed through the backing plate hole provided.
6. Mounting bolts are installed from the outside on both light assembly installations and self-thread into the aluminum backing plates provided.



1. XT304 light head assy.

HD1104



2. TX302 light head assy.

HD1102

3. XT4 Dual Stack light head

XT4DS



4. XT4 LED light head (Under Box Mount)

HD1154 (XT4 or MR6)

HD1153 (XT3 or TREX)

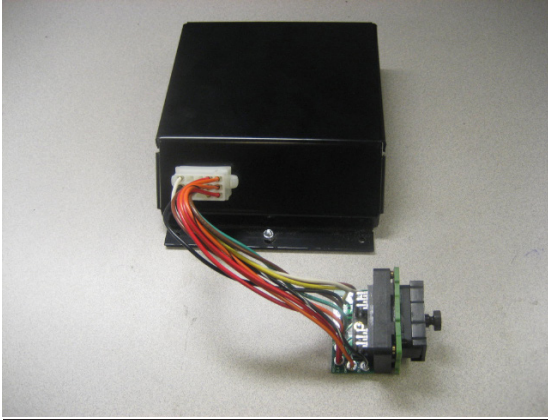
Speaker and Siren Options

SIREN OPTIONS IN THE BOX:

Siren # 4022 Multi-Purpose Siren without PA



Siren # 3959 Harley Davidson Siren with PA



SIREN OPTION ON FACTORY MOUNT:

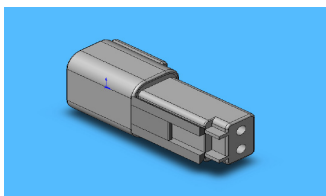
Siren # 3955 Harley Davidson Waterproof Siren with PA



Siren Bracket must be ordered from Harley Davidson at www.surdyke.com

Part number is: 69200597

HDSPKT



HD2PW

2 Pin Harley Davidson Power Connection kit is available for use on all light head installations and includes Housing, water seal and required pins.

Complete Speaker Installation Kit

Kit Includes:
Speaker, Mounting Bracket, Mounting Hardware,

Wiring Connector for LED Installations



WARNING!

Larger wires and tight connections will provide longer service life for components. For high current wires it is highly recommended that terminal blocks or soldered connections be used with shrink tubing to protect the connections. Do not use insulation displacement connectors (e.g. 3M® Scotchlock type connectors). Route wiring using grommets and sealant when passing through compartment walls. Minimize the number of splices to reduce voltage drop. High ambient temperatures (e.g. underhood) will significantly reduce the current carrying capacity of wires, fuses, and circuit breakers. Use "SXL" type wire in engine compartment. All wiring should conform to the minimum wire size and other recommendations of the manufacturer and be protected from moving parts and hot surfaces. Looms, grommets, cable ties, and similar installation hardware should be used to anchor and protect all wiring. Fuses or circuit breakers should be located as close to the power takeoff points as possible and properly sized to protect the wiring and devices. Particular attention should be paid to the location and method of making electrical connections and splices to protect these points from corrosion and loss of conductivity. Ground terminations should only be made to substantial chassis components, preferably directly to the vehicle battery. The user should install a fuse sized to approximately 125% of the maximum Amp capacity in the supply line to protect against short circuits. For example, a 30 Amp fuse should carry a maximum of 24 Amps. **DO NOT USE 1/4" DIAMETER GLASS FUSES AS THEY ARE NOT SUITABLE FOR CONTINUOUS DUTY IN SIZES ABOVE 15 AMPS.** Circuit breakers are very sensitive to high temperatures and will "false trip" when mounted in hot environments or operated close to their capacity.

WARRANTY

Code 3, Inc.'s emergency devices are tested and found to be operational at the time of manufacture. Provided they are installed and operated in accordance with manufacturer's recommendations, Code 3, Inc. guarantees all parts and components except the lamps to a period of 1 year (unless otherwise expressed) from the date of purchase or delivery, whichever is later. Units demonstrated to be defective within the warranty period will be repaired or replaced at the factory service center at no cost.

Use of lamp or other electrical load of a wattage higher than installed or recommended by the factory, or use of inappropriate or inadequate wiring or circuit protection causes this warranty to become void. Failure or destruction of the product resulting from abuse or unusual use and/or accidents is not covered by this warranty. Code 3, Inc. shall in no way be liable for other damages including consequential, indirect or special damages whether loss is due to negligence or breach of warranty.

CODE 3, INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS OR MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT.

PRODUCT RETURNS

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

*Code 3, Inc. reserves the right to repair or replace at its discretion. Code 3, Inc. assumes no responsibility or liability for expenses incurred for the removal and/or reinstallation of products requiring service and/or repair; nor for the packaging, handling, and shipping; nor for the handling of products return to sender after the service has been rendered.

PROBLEMS OR QUESTIONS? CALL OUR TECHNICAL ASSISTANCE HOTLINE (314) 996-2800
WWW.CODE3PSE.COM



Code 3®, Inc.
10986 N. Warson Road
St. Louis, Missouri 63114-2029—USA
Ph. (314) 426-2700 Fax (314) 426-1337