



## Custom Dynamics® MagicFLEX2® Indian® LED War Bonnet Light Kit Installation Instructions

We thank you for purchasing the Custom Dynamics® MagicFLEX2® Indian® LED War Bonnet Accent Light Kit! Our products utilize the latest technology and high quality components to ensure you the brightest, most reliable LED's on the market. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

**Part Number:** CD-IND-WB

**Package Contents:**

- MagicFLEX2® 6 LED Light Strip (1)
- Black wire 22 AWG (5 feet)
- 4" Tie Wraps (16)
- Heat Shrink Tubing (2)

**Optional Items Sold Separately:**

- Indian Engine LED Accent Light Kit (M2EK1-IND)
- Indian Wheel LED Kit (M2WK1-IND)
- Cage Clamp® (CG01) for wire connection (included w/lighting kits)
- Winter Kill Switch (SW01) to kill power to LED. (included w/lighting kits)

**Fits:** 2015-2022 Indian® Roadmaster, 2017-2018 Roadmaster Classic, 2020 & 2018 Roadmaster Elite, 2016-2022 Springfield, 2022 Springfield Dark Horse, 2015-2017 Chieftain, 2018-2020 Chieftain Classic, 2016-2017 Chieftain Dark Horse, 2022 & 2017 Chieftain Limited, 2017-2018 Chieftain Elite, 2018 & 2016 Chief, 2017-2020 Chief Dark Horse, 2014-2018 Chief Classic, 2014-2019 Chief Vintage, 2020-2021 Vintage & 2021 Vintage Dark Horse.

**Important:** Read all directions before starting project.

**Caution:** Always wear appropriate safety gear including safety glasses when soldering or performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Temperature of bike must be at least 60 degrees F. for tape to properly cure. Be sure bike is on level surface and secure and cool.

**Important:** Disconnect negative battery cable from battery; refer to owner's manual. Failure do to so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on bike.

**Note:** If the War Bonnet LED is to be illuminated as a running light, the positive wire will need to be connected to a running light circuit. If the War Bonnet LED is to be illuminated as an accent light, you must have an on off switch and a fusible link between the LED and the power source. See page 2 for wiring diagram.

1. Remove fender. Refer to your service manual for fender removal instructions.
2. Remove War Bonnet from the front fender by removing two 10mm nuts on the under side of fender.
3. Remove 3 Phillips head screws from the bottom of the War Bonnet housing.

**Note:** 2 longer screws are for each side and the shorter screw is for the back.

**Tools Needed:**

- Screwdriver (Philips)
- Wire Cutter/stripper
- Heat Gun
- Open end wrenches
- Razor blade cutting tool

### Cage Clamp® Instructions



Strip wire 9-10 mm. Use the stripped wire gauge on the back of the connector to verify correct strip length.



Push up lever and insert conductor



Push down lever to its closed position.



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- Remove the unserviceable LED horseshoe puck housing from behind the War Bonnet lens.
- Place one piece of provided heat shrink tubing over the red and black wires of the MagicFLEX2® LED strip. Using the provided 22 AWG wire, attach red wire to red wire and black wire to black wire by soldering or twisting the wires together. Slide the heat shrink for the Red wire over the connection and apply heat using a hair dryer or heat gun until heat shrink has shrunk around connection. Repeat process for the black wire.
- Clean the horseshoe puck housing with denatured alcohol, allow to dry.
- Remove the red protective tape from the back of the MagicFLEX2® LED and press into place.
- Reassemble the War Bonnet Light and install on the fender.
- Attach the MagicFLEX2® LED light strip wire harness with the War Bonnet wire harness.
- Re-install the front fender. Refer to your service manual for fender installation instructions.
- Continue routing the MagicFLEX2® LED light strip wire harness back to a central point near battery compartment under seat. Route wires such that they not interfere with normal operation of bike. Cut off any excess wires, strip back insulation as required.
- Secure wires to the frame using some of the tie wraps provided.

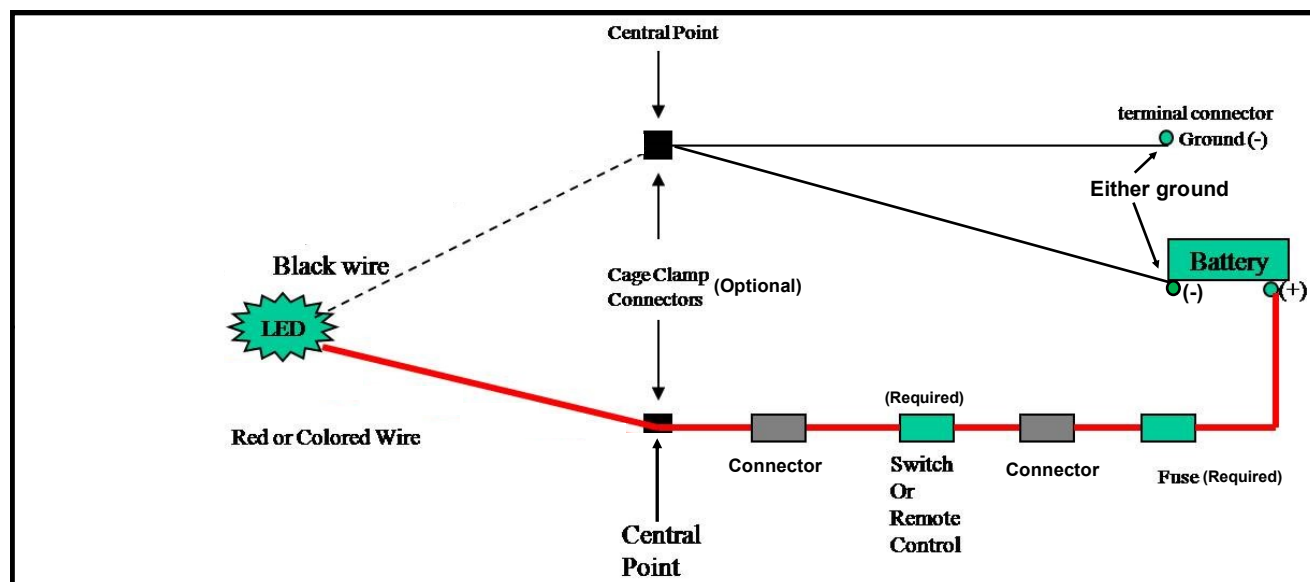
**Note:** If installing with Indian Engine Accent Light Kit (M2EK1-IND), stop here and follow the wiring instructions for that kit.

- Connect the Black wire to the bike's ground or the ground terminal of the battery.
- Connect the Red wire to a on/off switch that is connected to a fused connection to the positive side of the battery. Take necessary precautions when making connection and refer to bike's owner's manual.

**Caution:** DO NOT allow any tools to touch both positive (+) side of battery and any metal surface on bike as it will cause a short which could result in serious injury and damage to the battery or other electrical circuits.

- Secure any remaining wires with tie wraps.
- Turn on switch and check operation of all lights.

### Wiring Diagram



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