

Cyron LED Headlight

This DIY upgrade greatly improved our Road Glide's front lighting



HARLEY'S TOURING MODELS HAVE COME A LONG way in the last decade regarding improvements in creature comforts, stereos, engine upgrades, suspension systems, and other aspects of the bike. And after purchase, their owners continue to make modifications, both cosmetic and functional, to many of the bike's features. Thankfully, many owners also install upgrades to their bike's lighting systems, especially in the way of LED headlights. This mod not only greatly improves your ability to see when riding at night, it also makes it easier for others to see you during the day, making you safer in both scenarios. If you've been thinking of making a LED headlight upgrade, you should check out what the folks at Cyron offer.

Cyron has been in the lighting game for over a decade. It offers a full line of solid-state

lighting upgrades for motorcycles, cars, boats, and RVs, as well as industrial, commercial, and residential applications. Cyron also provides quality lighting products for the film industry. This manufacturer is at the forefront in LED and other forms of advanced lighting technology, so it's no wonder they offer an excellent line of LED headlight upgrades for Harley-Davidsons. Many companies know Harley owners want quality products for their bikes, so it's worth it for a major lighting company like Cyron to make products for our segment of the buying public.

For this article, we installed a wide-beam, DOT-approved, Cyron LED headlight for 2004-13 Harley-Davidson Road Glides (#ABIG5D-A6K/\$479.95). This headlight stays bright regardless of battery condition and features a shatterproof lens. I was impressed by the improvement in the headlight beam's strength and coverage area, as you can see in the accompanying photos. Of course, Cyron has a full line of powerful LED headlights and spotlights for many H-D models.

Our thanks to Rob at Rob's Dyno Service for doing this install for us. The photos and captions show you exactly what must be done and how easy it is to make this major upgrade to your bike's front lighting system.

TOOLS NEEDED

- Tape (beam marker)
- Fender cover
- Blanket
- Flat-bladed screwdriver
- #2 Phillips screwdriver
- 10mm socket
- 5/16" Allen
- 7mm drill bit
- Electric drill





1 Start by taking the fairing off the bike by removing the needed six screws and two bolts. Then disconnect both headlight bulbs from the bike's wiring harness. Place the fairing on a table on a blanket so it's easier and safer to work on.



2 Using a flat-bladed screwdriver, press in the four tabs (two on the top and two on the bottom) for the outer headlight bezel so you can remove the bezel.



3 Remove the bezel from the fairing; it will not be reused.



4 Press in the two green plastic tabs on each of the three headlight assembly mounts to disengage them as you gently push the headlight assembly down and away from the fairing.



5 Once all three attachment points have been released, the headlight will drop out of the front of the fairing.



6 Place the Cyron support plate onto the inside face of the fairing and use a pencil to trace out the position of the Cyron support plate's two top holes onto the fairing.



7 After putting some blue tape on both sides of the fairing to reduce burrs, use a 7mm (9/32") drill bit to drill out the two required holes. Then clean the area with the Cyron-supplied wipes.

Aligning your headlight is easy. Start by making sure the tires are properly inflated. Then, with the bike upright in a riding position and with someone the same weight as you on the bike, measure the distance from the center of the headlight bulb to the pavement. For example, we'll say that the distance is 40", so multiplying 40" x 0.9 gives you 36", which is the height you'll need to place your beam marker for our example. Now find a relatively smooth exterior wall where the pavement is level and you can position your bike 25' perpendicular to the wall with nothing between your bike and the wall. Once it's dark out, put an 18"-long strip of any color tape that's not the same color as the wall onto the wall. Position the tape strip 36" (our example height) from the ground. Position your bike 25' directly perpendicular to the wall opposite the tape strip. You want your bike positioned so that if you were to drive straight forward your front wheel would touch the wall directly below the tape strip. Then, with the bike upright and you sitting on it, see where your headlight's low beam's main intensity hits the wall in relation to the tape strip. The top edge of the beam's well defined cut-off should be just touching the tape strip. If it's not, adjust the headlight so it is. ■

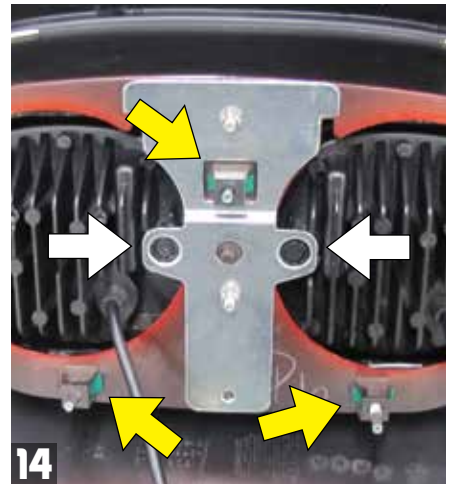
ALIGNING A HEADLIGHT



8
Once you've pulled the protective paper from the Cyron back support bracket's adhesive strip, stick the bracket onto the fairing. You must press the bracket into position for at least 15 seconds to secure it.



11
Slip a Cyron square washer onto each of the rounded bolts with the chamfered side facing the round ball on the bolt. Then thread on a square plastic clip onto each round bolt. Note: the center one is shorter than the other two.



14
Now insert the Cyron headlight housing into the stock fairing aligning the two locating studs (white arrows) and three ball bolts (yellow arrows) with their holes in the fairing. Make sure both tabs on each of the three ball bolt clips lock into their supports.



9
Insert the Cyron front support bracket into the other side of the fairing and slip its two studs through the holes you drilled in Step 7.



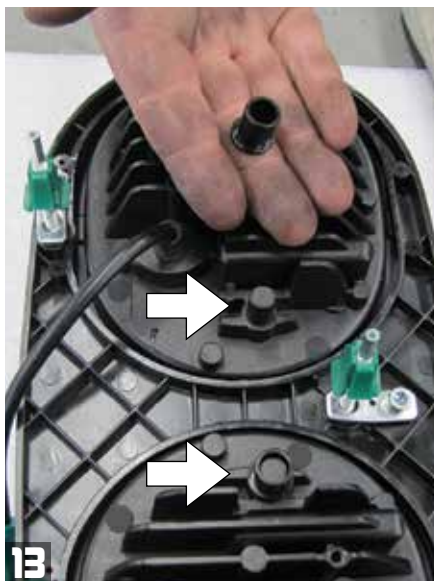
12
After threading the square plastic clips onto the round bolts so they match the position of the stock ones for each location on the stock headlight, install them onto the new Cyron headlight (balled end in round socket) using a 5/16" Allen.



15
Insert the Cyron headlight bezel into the front of the fairing. Make sure the bezel's four clips fully seat and clip into their slots in the fairing.



10
After threading on the two Cyron-supplied locknuts, tighten them using a 10mm socket.



13
Then press the two black plastic Cyron-supplied collars onto the thick locating studs (arrows) on the new Cyron headlights.



16
The Cyron wire harness protection bumper is secured to the left headlight using the two Cyron-supplied screws and a #2 Phillips screwdriver. Be sure to align the headlights once the fairing is reinstalled.



17

Here's how the stock headlights look in low beam.



18

Here's how the Cyron LED headlights look in low beam.



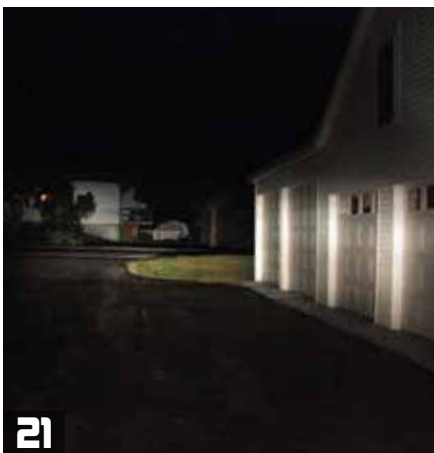
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Here's what the stock headlights in low beam look like at night.



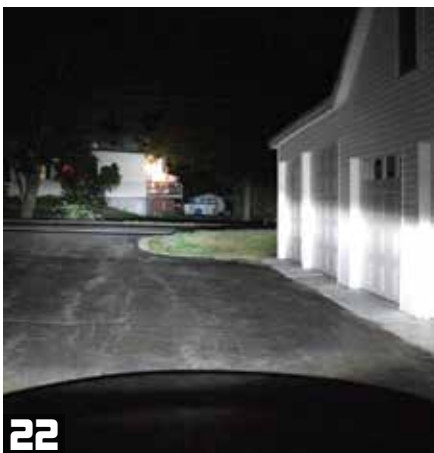
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The Cyron LED headlights in low beam at night.



21

The stock headlights in high beam at night.



22

The Cyron LED headlights in high beam at night. AIG

SOURCES

Cyron Inc.
888/297-6660
Cyron.com

Rob's Dyno Service
978/895-0441
RobsDyno.com

Special Garage Bundles Starting At Only \$19.95

