

LOW-BUCK LED UPGRADE

CYRON's easy LED headlight retrofit kit

Hot XL

IF YOU'VE EVER RIDDEN A HARLEY WITH THE SPORTY little 5-3/4" headlight at night, you're familiar with the desolate feeling (think more nerve wracking than exciting) of not being able to make out what's ahead and to the sides of you. On top of that, the stock headlight isn't easily visible, during the day or at night, to other motorists. Having a brighter headlight greatly improves safety and your comfort factor when riding at night as well as during the day.

Until recently, most of the brighter LED headlight options required purchasing a whole new headlight unit for big bucks. CYRON changed the game with the launch of its LED Retrofit Kit for motorcycles (#ABH4K-A6K/\$69.95). The CYRON LED has a 6000K bright white beam, which not only puts out 2500 lumens, but it gives your bike a modern, high-end custom look.

The kit includes four adapters, which CYRON claims

will allow the LED light to fit 90 percent of all motorcycles on the road today. Sporting a lifespan of 20,000 hours, there's a good chance your headlight will outlast your current motorcycle and your next one!

Modern, high-tech looks and performance are great on the surface, but there are just as many improvements inside as well. LED technology is known for its ridiculously low-power draw. This means less work for your battery and charging system, leading to easier starts and greater dependability out on the road.

TOOLS NEEDED

- #1 Phillips screwdriver
- #2 Phillips screwdriver ■

1 Here's the stock halogen headlight on our 2004 Sportster. Yup, looks just like the one on your bike.



2 Rob starts the swap out by removing the screw that holds the headlight bulb ring to the headlight housing using a #2 Phillips screwdriver.



3 He then pulls the headlight ring from the housing by lifting it up and off the two mounting tabs, which are located at the 10 and 2 o'clock positions.



4 He then disconnects the headlight from the bike's wiring harness by depressing the two tabs located on the sides of the headlight connector.



5 Once the headlight is free from the bike, Rob pulls the rubber protective boot from the back of the stock headlight lens.

figure machine

marlins

star fleet



6 Rob can now depress the bulb holding wire and push it to the side, so he can remove the bulb.



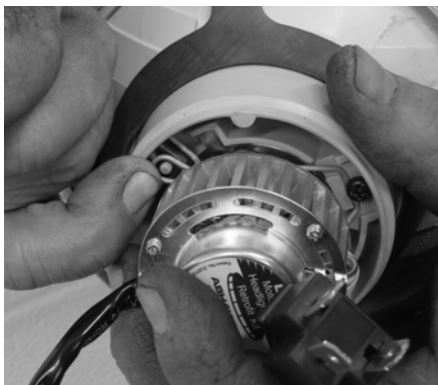
7 After Rob removes the stock bulb from the headlight lens, he selects one of the four bulb adapters that are supplied with the CYRON kit, which matches the mounting tab arrangement on the stock bulb.



8 Rob then attaches the correct adapter to the new CYRON LED bulb (the mounting screw should contact the flat section on the bulb) using a #1 Phillips screwdriver. Just snug the screw, don't kill it.



9 He then installs the new CYRON bulb into the stock lens by aligning the tabs on the bulb with the slots. The bulb can only go in one way, so don't force it. Make sure the bulb holding wire is on top of the bulb adapter.



10 Rob can now depress the bulb holding wire and push it to the side, so it holds the bulb in place. Do not reinstall the stock rubber protective boot.



11 Rob now reattaches the bulb's connector into the bike's wiring harness connector until they snap together.

paul yaffe

big city

tsukayu



12 He then positions the headlight lens in the stock headlight housing.



13 After Rob positions the stock headlight ring onto the metal housing's two mounting tabs, he secures the ring using the stock screw and a Phillips screwdriver.



14 The beam in the top photo is from the stock headlight bulb. The new CYRON LED bulb beam is shown in the bottom photo. What a difference!

CYRON's bulb features an active heat management system that makes the already low-heat LED even cooler. One time on my own Sportster, when I first started riding, I rode to the deli to pick up a pastrami sandwich. I threw the plastic "thank you, come again!" bag over the speedo and let it hang in front of the headlight. By the time I got back with my sandwich, the bag had melted to the lens and it took me an hour to scrape it off. And my pastrami got cold. We didn't attempt the deli bag test with our donor Sportster, but a hand test concludes a massive decrease in heat.

The swap is similar to swapping out your stock H-4 bulb, making this install an easy DIY one. The built-in ballast, otherwise known as a LED driver, controls the power supply to the LED itself. This allows the CYRON kit to function flawlessly under wide operating voltage conditions. No matter what's going on with your battery or charging system, your LED headlight will continue to function normally. To further increase ease and accessibility, the high and low beams come from the same LED, which simplifies your whole setup.

The CYRON retrofit kit is a drop-in replacement for most 1992 and later Harley-Davidsons. The LED light, which is not DOT-approved, is much brighter than stock, therefore you might want to double-check your headlight angle to ensure you don't blind oncoming traffic.

We did this project with Rob at Rob's Dyno Service in Gardner, Massachusetts. Yes, the same Rob that you see time and again creating serious horsepower gains is skilled in every aspect of Harley-Davidson tech. Follow along as he takes us through this easy install to get a major lighting and safety improvement out of our 2004 Sportster for some seriously low cash. **AIM**

action station

lindby

SOURCES

BIKER'S CHOICE

BikersChoice.com

CYRON

888/297-6660

Cyron.com

ROB'S DYNO SERVICE

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