

**Electric City H.O.G. Chapter #4769**  
**August 2025 Newsletter By: Broadus B. King III**

**Upcoming Rides in August**

August 15th Dinner Ride to Capri's Italian in Easley 5:30pm-8:30pm  
August 16th 2nd Annual Laken Riley Memorial Ride 9am-10am  
August 17th Ride to Nowhere with Ice Cream Stop 1pm-6pm  
August 21st Dinner Ride to the Silo's in Easley 5pm-9pm  
September 6th Head Road Captain's Ride to BRP 9am-6pm

**Timm's Harley - Davidson Upcoming Event**

August 16th Stuff A Bag Event END-OF-SEASON MOTORCLOTHES  
Two different size bags. \$25 for a small bag \$50 for a big bag  
August 30th College KICK OFF! 11am-6pm college game day with free pizza, college games on the TV's, giveaways, demo rides and more.  
Bike Night @ Timm's September 5th 6pm-9pm

**LET'S RIDE CHALLENGE RIDE FOR HEROES - Now Through October 31st**

Every mile adds up to a \$1 Million donation from Harley-Davidson to support our military and veteran heroes. Visit your dealer to get started today. Scan the QR code and ask a staff member for keywords and mileage verification.

**As of August 11th Electric City H.O.G. Chapter has 104,213 Miles**

Neil W.	18,223
Christina C.	13,115
Francis S.	10,045

Remember to check out Ride 365 for Dealership Photo Challenge, 15 Rides for '25, and 50 Rides, One Nation.

## **Does a motorcycle take longer to stop than a car?**

Motorcycles take a little longer to stop than cars. Motorcycles need approximately 18 percent more space than cars to brake. "Typically" ranges from 75 feet at 30 mph to 240 feet at 60 mph. Factors like reaction time, braking technique, and tire/brake condition also play a role. A motorcycle typically requires around 75 feet to stop, including reaction time, while a compact car may stop in approximately 70 feet.

## **The importance of understanding stopping distance**

The understanding gifted to us by Sir Isaac Newton and many others over the years has helped mankind grasp how matter and energy behave. The science of braking branches off in many directions, but to focus on one element that's often overlooked and should be understood at a basic level. Anyone who throws a leg over a motorcycle and ventures out into traffic... Stopping Distance.

First off, stopping distance in relation to speed is not linear. For example, assuming the same braking force, the stopping distance from 40 mph is not twice the distance of 20 mph. It's four times longer. Why does stopping distance quadruple when speed doubles? Well, because physics. "Kinetic energy increases with the square of the speed."

On the street, where hazards are numerous, speed makes a huge difference in whether a rider will be able to stop in time. The average street rider won't brake harder than 0.6 g. With that assumption, a 20 mph stop takes about 22 feet. At 40 mph, it becomes 88 feet. If a rider mashes the brakes and activates ABS, they might achieve about 0.9 g. Then, 20 mph becomes 15 feet, and 40 mph becomes 60 feet. And that's after the delay of seeing the danger, deciding what to do, and applying full brake pressure.

When entering an intersection or any situation where a sudden stop might be needed speed matters. At higher speeds, things really stretch out. Compare 65 mph to a reckless 110 mph. Let's assume the rider has the nerve to go straight to 0.9 g using ABS. After reaction time and full braking effort, stopping distance at 65 mph is about 157 feet at 110 mph, it's around 450 feet. In the real world, using an average one-second reaction time and the more typical 0.6 g braking, the stopping distance from 65 mph becomes 330 feet, and from 110 mph it's a whopping 835 feet. So, how would you rate your braking skills? Do you practice hard braking occasionally in a safe environment? Is the skill there when you need it? Does a once-high level of skill fade over time? Are you practicing stops at 40 mph? What about 80 mph? The problem is, there's a certain amount of risk in practicing, especially at higher speeds, out on public roads. Practicing gives a rider a much clearer sense of just how long it takes to bring a bike to a stop at speed. In the end, it probably makes for a more careful rider.

\*Reference: Code, Dylan; Braking down the numbers.