

#### RISK ENGINEERING

# Safety Spotlight

## Rear End Accident Prevention

Rear-end collisions are a prevalent and often severe type of motor vehicle accident. While the driver who rear-ends another vehicle is typically held responsible, this is not always the case. As a trained driver, it is crucial to understand and implement effective techniques to avoid becoming part of this statistic. Here are some essential safety tips to help you prevent rear-end



essential safety tips to help you prevent rear-end collisions and ensure safer driving.

### **Maintain a Safe Following Distance**

One of the most important factors to avoiding a rear end collision is to maintain a safe following distance. Adjust that distance depending on your speed, the type of vehicle driven, weight of the vehicle, cargo being transported, road conditions, your alertness level, and weather conditions. In general, the industry standards below are guidelines to consider in ideal road and weather conditions at 40 mph or less.

Personal Passenger Vehicles	Medium to Heavy Size Trucks	Semi Tractors & Trailers
Minimum of 3 seconds	Minimum of 4 seconds	Minimum of 6 seconds

Increase your distance above 40 mph and add additional time for adverse weather and road conditions and when driving at night. It is your responsibility to know your vehicle and know what a reasonable safe following distance should be if you need to stop.

#### **Avoid Distractions**

- Stay off the phone.
- If something drops on the floor of the vehicle, leave it until stopped at a safe location.
- Do not eat while driving.
- Adjust GPS/Telematics before driving.
- Do not read while driving.
- √ Keep your eyes forward on the highway, except for periodically scanning mirrors.

### **Additional Tips to Prevent Rear-End Accidents**

**Watch Out for Others:** Focus on your own driving but be aware of other drivers who may be distracted or impaired.

**Check Mirrors Regularly:** Check your mirrors every 3 to 5 seconds to avoid complacency and tunnel vision.

#### Be Cautious of the Vehicle in Front of You:

Never assume that a vehicle entering an intersection will not stop suddenly.

**Scan the Road Ahead:** Look for brake lights, changing traffic lights, pedestrians, or other hazards. Be aware of vehicles beside and behind you.

**Extreme Conditions:** In extreme weather, find a safe place to park and wait for conditions to improve.

**Don't Drive Too Fast:** Follow speed limits and slow down further when conditions are hazardous.

**Watch for Poor Traction:** Be aware of areas where traction may be reduced due to snow, ice, gravel, or oil.

**Do Not Rush to a Stop Sign:** Begin applying brakes gradually and early when approaching a stop sign or red traffic signal.

**Changing Lanes:** Avoid changing lanes too quickly or in heavy traffic until you know it is clear and safe.

**Maintain Safe Distance:** Ensure you can stop safely if the driver in front stops suddenly.

**Pre-trip Inspection:** Check that all headlights, brake lights, and signals are functioning correctly, brakes are adequately adjusted, and mirrors are positioned correctly.

**Avoid Stopping Too Close:** Ensure you can see the rear tires below the bumper of the vehicle in front of you.

Leaving Intersections: When the vehicle in front of you starts moving, do not assume it will continue moving without interruption. There are instances where the vehicle may stop suddenly, such as when an oncoming vehicle appears or for other unexpected reasons. Always pay close attention to the vehicle in front of you and allow a few seconds for it to move before you begin accelerating.

**Smooth and Gradual Braking:** Anticipate stops and apply brakes smoothly and gradually to give drivers behind you ample warning.

**Tailgaters:** If a vehicle is following you too closely, slow down gradually in a safe spot to allow them to pass.

**Plan Your Trip:** Pre-plan your trip to avoid heavy traffic or adverse weather conditions. Know your route to plan your turns ahead of time.

#### **Dash Cameras Can Save the Day!**

Many traffic accidents occur when other vehicles cut in front of your vehicle, not allowing sufficient space to maintain a safe distance, often result in rear-end collisions. In such scenarios, the driver who rear-ends the other vehicle is typically presumed to be at fault. However, installing a dash camera can provide crucial evidence to demonstrate that the other driver's actions were the primary cause of the accident. This evidence can be instrumental in proving your innocence and ensuring a fair assessment of the incident.

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