



Counter Measures for Blind Spot Accidents

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ABSTRACT

The aim of the reduced blind spot accidents. Modern days so many accidents are blind spot accidents. they are not monitoring the roads, not using proper mirrors, and not driving properly then accidents on the roads. Because we using proper mirrors, monitor the roads, avoid the blind spot areas, and also avoid over taking the vehicles. In this paper it is discussed that, some of the countermeasures to avoid blind spot accidents.

Keywords: Blindspot accidents, automotive vehicle accidents.

1. INTRODUCTION

Road accidents are common risks in everyday life that are rarely predicted or preventable. According to statistics, one of the main reasons for the failure is a lack of visual data. Road accidents are becoming more common. Drivers are being monitored. involved in collisions involving non-compliant vehicles not because of his/her flaws, but because of the presence of certain places around the car where the driver has no visibility. These hidden areas around the vehicle are known as blind spot accidents. Heavy vehicles are (lorry, tippers, dump trucks and etc..) they drivers are not see the road properly. Then drivers are turns the vehicles turning points any one comes to the suddenly then accident on the spot. Because heavy vehicles and normally vehicles are monitor the roads, used to our eyes and focus on the road, use to the proper side mirrors, and already using the convex mirrors in the cars. Then we can covering blind spot areas and also see the blind spot areas. Then we also reduce or avoid the blind spot accidents.



UNDERSTANDING BLIND SPOT ACCIDENTS

The vehicle blind spot, often known as a 'No Zone' around a huge truck, is the area where a driver's eyes or mirrors cannot safely watch what is happening around their vehicle. Because your rearview mirrors are designed to monitor vehicles behind you while your eyes focus on the vehicles in front of you, blind spots emerge when a vehicle approaches you straight or almost directly. The side mirrors themselves, as well as the chassis columns around doors and windows, can generate blind spots. Drivers' blind spots might also differ depending on their height or the sort of vehicle they are driving.

When a vehicle changes lanes, particularly on highspeed motorways, roundabouts, or intersections, blind spot incidents are common. When merging or changing lanes, failing to check your blind area can result in severe crashes such as rear-enders and broadsides.

HOW TO AVOID BLIND SPOT COLLISIONS USING PROPER MIRRORS

Make sure your mirrors are adjusted appropriately so you have the most view possible around your vehicle. Finding the right angles for your mirror might help you avoid any kind of mishap, not simply those that occur when you exit your blind region. Upgrade to convex mirrors, which provide a wider vision surrounding your vehicle, or add a small blind spot mirror to your existing mirrors.

USE YOUR EYES Even if your mirrors are adjusted perfectly and you appear to be in the clear, nothing beats a quick glance around before merging or changing lanes. Your eyes are your most powerful tool for detecting and avoiding potential collisions, and you should use them (safely!) as a secondary technique of confirming the lane is clear to enter.

MONITOR THE BLIND SPOTS

Keep an eye out not only for your own blind areas, but also for the blind spots of the vehicles surrounding you. Driving outside other drivers' blind areas can help you avoid collisions before they happen.

DRIVING SMART

Follow all traffic laws. Maintain a safe and consistent speed in your vehicle, as sudden changes in speed can cause you to enter someone's blind spot without their knowledge. Maintain a safe 'bubble' of distance between yourself and other drivers so that other drivers are aware of your presence. It also allows you enough time to react if another driver makes a mistake or abruptly changes lanes.



BE AWARE

Many people enjoy listening to music, podcasts, or talking on the phone while driving. This can divert your attention away from what's going on around you, putting you at risk of missing someone entering your blind spot or you accidentally entering someone else's. To avoid accidents, you must maintain good focus on the road around you.

Take note of how the cars around you are driving, their speed, and whether or not they have their turn or stop lights on. If an unusual vehicle, such as a large truck, approaches you, be aware that trucks have a significantly greater blind spot than regular cars. Also, if you're driving a larger vehicle, such as a van or pickup truck, keep an eye out for smaller cars, which can sneak into your blind area in ways that a larger vehicle can't.

RESULT OF BLIND SPOT ACCIDENTS

There are various actions you should take if you have been hit by a vehicle who failed to properly check their blind spot. Most importantly, make sure you get the medical help you need. Because the forces involved in a collision may cause injuries that are not immediately evident, it is critical that you begin your rehabilitation as soon as possible.





SUGGESTIONS

ADJUST YOUR MIRRORS

Make sure your mirrors are in the proper position before getting behind the wheel. Perform the following actions before you start driving if you're driving a rental car or someone has altered your mirrors.

1. Adjust the rearview mirror until the optimum view is directly behind your vehicle.
2. Adjustments should be made with your head in its normal driving posture.
3. Lean your head on the driver's side window and hold it there.
4. To see the side of your automobile, adjust the driver's side mirror.
5. You should not be able to see any of your car's body work in the mirror when you sit back in a typical position.
6. You must be able to see other cars in addition to your own.

Mirror memory is currently available in some modern vehicles. It allows you to precisely set your mirrors before saving their location in the car's memory. With a push of the button, you can return your mirrors to their original position. This is especially beneficial if you share your vehicle with someone who demands various mirror positions.

WAIT TO PULL OUT

You can lower your chance of an accident by waiting at least this long before changing lanes now that you know how long vehicles generally stay in your blind spot.

For example, if you observe that automobiles are only in your blind spot for two seconds at most, check both your rear view and side mirrors when changing lanes. Wait t

wo seconds if you don't see anything before pulling out. This should give any cars in your blind spot enough time to become visible again. We always recommend giving yourself plenty of time to go into the next lane.

USE TECHNOLOGY

When passing another vehicle, try not to match their pace too closely. This will lead you to spend more time in their blind spot than if you passed them faster. You should spend as little time as possible in their blind region. Also consider the blind zones of vehicles that can't see directly behind them, such as heavy trucks, tractor trailers, big rigs, or station waggon's packed to the brim. Because these drivers can only see you in their side mirrors, you will be in a wide blind spot if you get too close behind them. They may brake suddenly, oblivious to your presence. You will have little time to prevent a collision if you are following them closely.

KEEP IN MIND THE BLIND SPOTS OF OTHER DRIVERS

In addition to considering your own blind area, you should also consider the blind spots of other drivers. They may not be as conscious of the issue as you are, and they may attempt to pull away when you are driving in their blind zone.

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Conflict of interest statement

Authors declare that they do not have any conflict of interest.

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