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Laser Speeding Ticket by [LARONDA Pittman](#)

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Laser Speeding Ticket:

To fight Speeding tickets issued using laser gun one needs to know the basic theory behind it. Recall your high school Mathematics and physics.

Distance = Speed X Time Taken.

Which can be rewritten as:

Speed = Distance/Time Taken

Laser devices use this latter formula from data it receives to accurately determine the speed of a moving object.

Laser devices use two principles. The first principle uses speed of light which is regarded constant (299 792 458 m / s). Second, Laser gun generates a narrow beam with narrow frequency band, will not spread significantly after emission (distortion). Speed guns use a more direct method that relies on the reflection time of light rather than Doppler shift (in case with radars).

A laser speed gun measures the round-trip time for light to reach and reflect back from vehicle. A laser speed gun shoots a very short burst of infrared laser light and then waits for it to reflect off the vehicle. The gun counts the number of nanoseconds it takes for the round trip, and by dividing by 2 it can calculate the distance to the car. If the gun takes 1,000 samples per second, it can compare the change in distance between samples and calculate the speed of the car. By taking several hundred samples over the course of a third of a second or so, the accuracy can be very high.

The effectiveness of the laser gun is determined by factors such as whether there is a license plate mounted at the front of the vehicle; surface area of the lights on the car; the amount of chrome areas on the vehicle; shape of the vehicle; and the colour of the vehicle. These points are important because it can help you to know how to beat a laser speeding ticket.

How to Beat Laser Tickets:

You also need to know how to beat a laser speeding ticket when you are caught. The first few steps are the same as in any other traffic violation. Pull over, switch off the engine, roll the window down and don't make any sudden moves. The officer will ask you whether you know why he pulled you over. Always answer no. You can request an oral or written warning. Keep quiet if it is declined.

These are just a few questions you can ask to create doubt about the accuracy of the reading and the equipment. It is however important to prepare well for your court appearance. Follow the guidelines on how to beat a laser speeding ticket and do your research on other aspects such as what to do when you get pulled over and the plea process.

Issues with Laser Guns

Police Laser guns are far more accurate than the traditional radar guns. However they are only accurate to 1000 feet. At 1000 feet the laser beam is around 36 inches wide which can accurately be applied to a single vehicle. However, at 2000 feet the beam expands to 72 inches wide and

becomes far less accurate. It's also more likely that they will be measuring the speed of another car at this distance. So if you are pulled over by a laser gun, find out the distance and if it's over 1200 feet than you have a far chance of fighting it due to the inaccuracy at this range.

- Ask the officer for the name of the gun manufacturer. Call and get performance info.
- Request laser maintenance records from the cops.
- Then, in court, focus on the officer's aim. Weather, traffic, road conditions. All can effect his ability to target the exact same point on your car.

Useful Resources about traffic tickets and Violations:

[how to fight a traffic ticket in ny](#) | [how to beat a speeding ticket in ny](#) | [lawyer for traffic tickets](#)

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