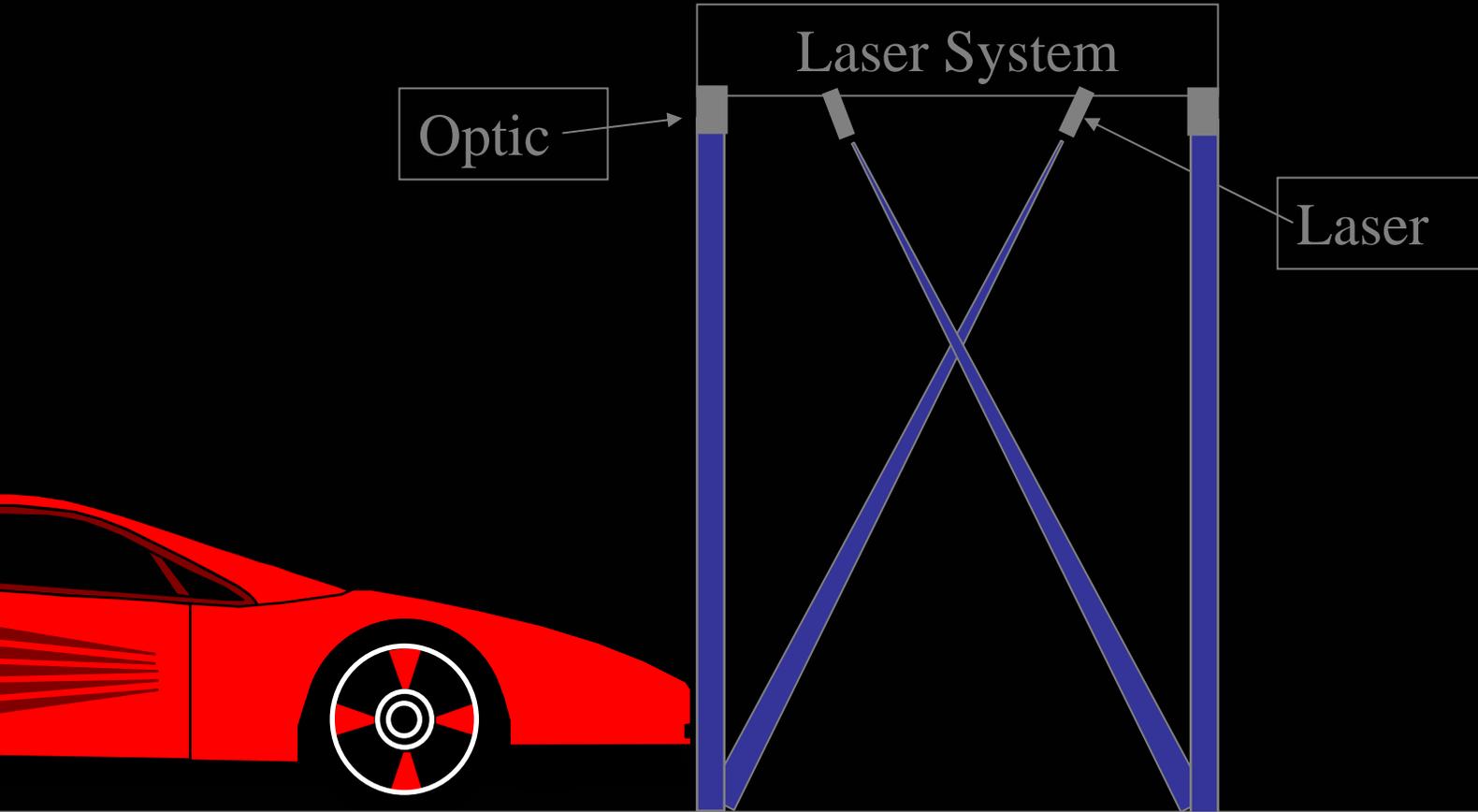
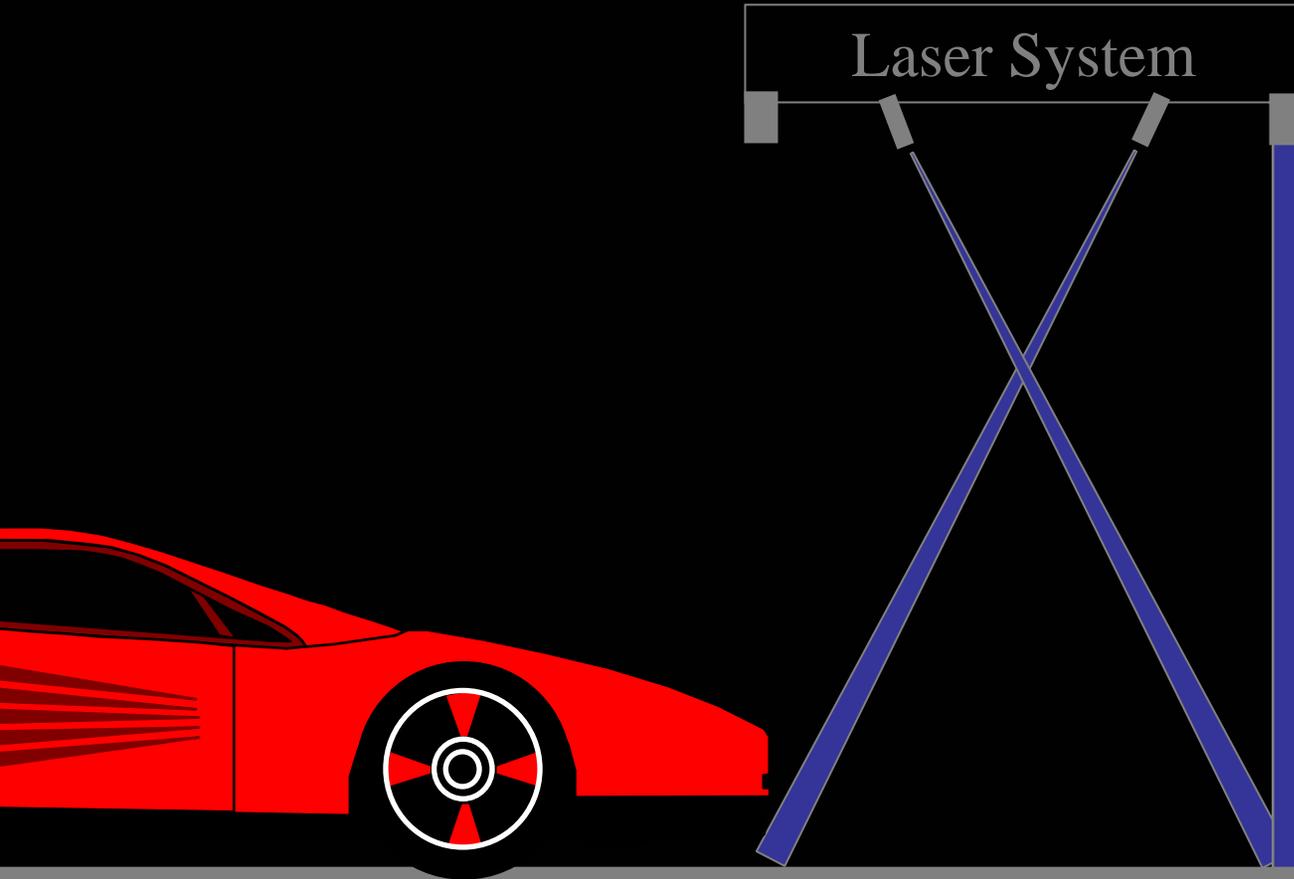


Vehicle approaches upstream laser line reflecting off pavement into return optics.



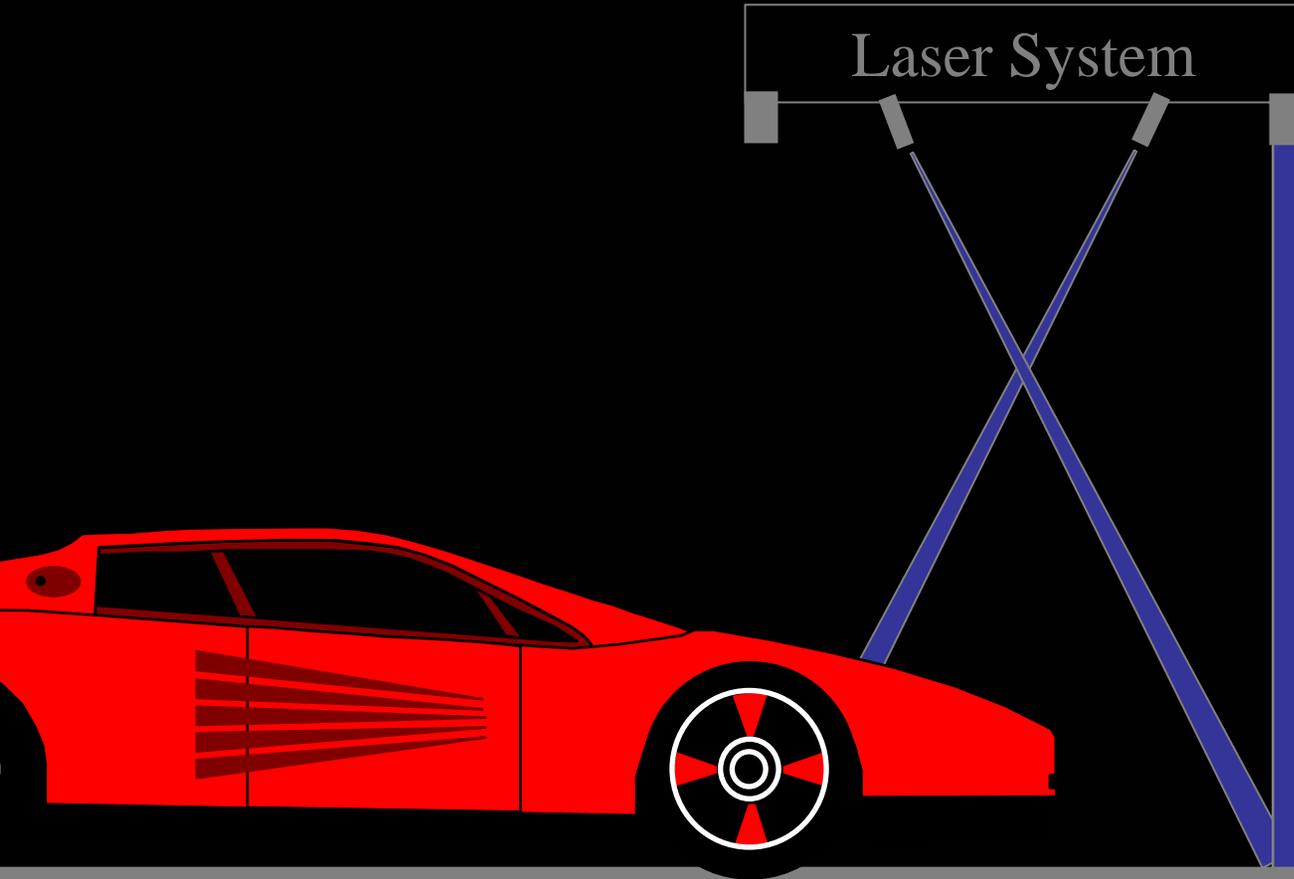
Time 1

Vehicle breaks returning laser line, and is "detected."



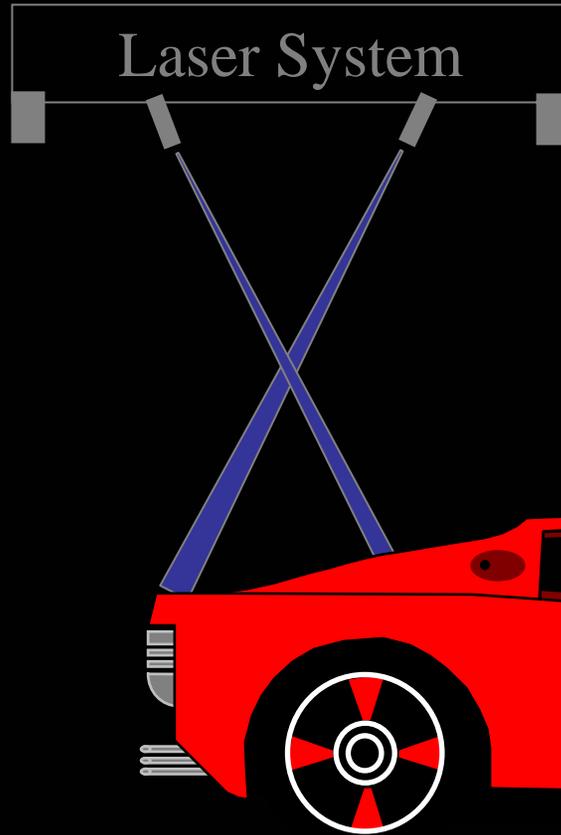
Time 2

Vehicle approaches downstream laser line, and is about to be detected by it.



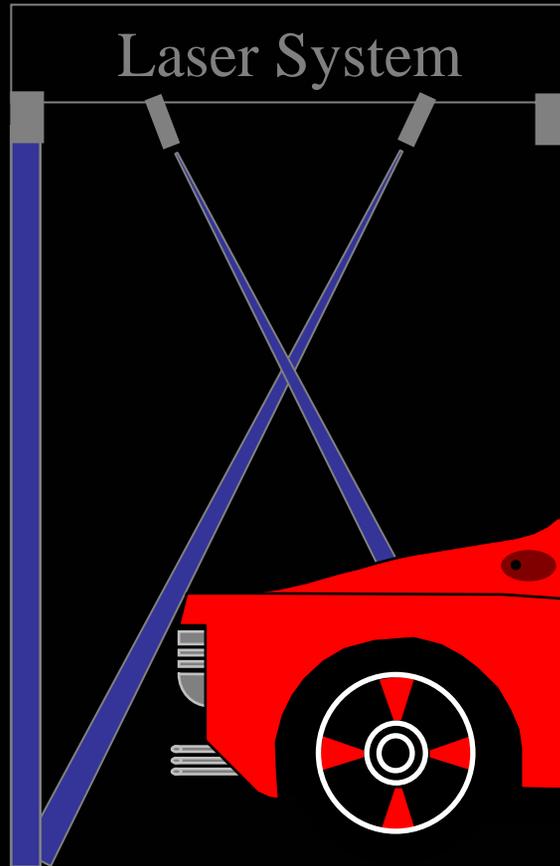
Time 2

Vehicle blocks both laser lines while detection zone is "occupied."



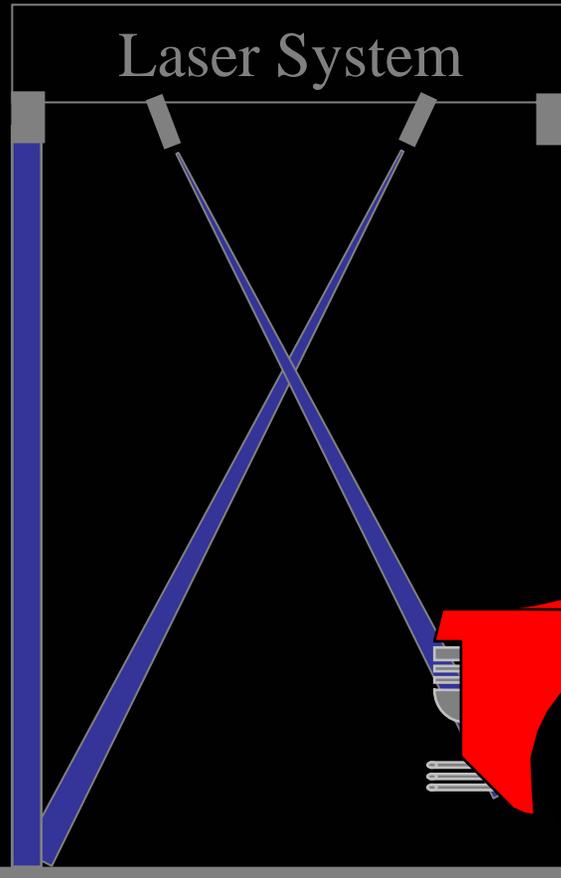
Time 3

Back edge of vehicle is detected when upstream laser again reflects off pavement.



Time 3

Back of vehicle approaching downstream laser line.

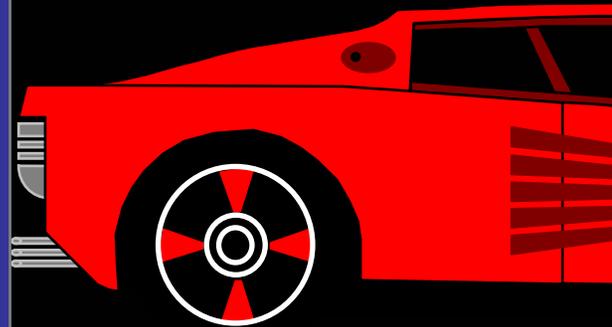
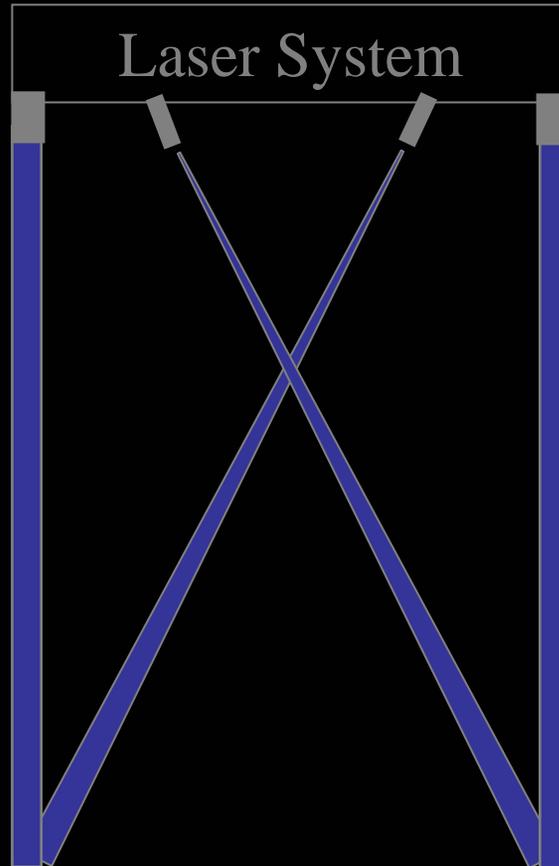


Time 3

Back of vehicle detected.

Velocity is determined from the front and back bumper speed.

Length is determined by multiplying the occupied time by the speed.



Time 4