

THE BRAKING SYSTEM

Prepared by: Ong Ting Heng

ABSTRACT

When a car is moving down the highway, it has a large amount of stored energy in the form of inertia (tendency to keep moving). To stop the car, the brakes or the retarder convert the power of momentum of the moving vehicle (the kinetic energy) into heat (thermal energy) by means of friction.

In this project, I am going to design a vehicle's braking system with the best performance which will stop the vehicle in shorter time and shorter stopping distance.