

Comparative Assessment of ABS and Disk Brake Systems

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Abstract : The article refers to the history of the rise of brake system and described it's importance in passenger's lives. The disc brake system performance and ABS are also compared with each other by the kinetic and kinematic analysis of the braking system, and evaluate the impact of each parameters is checked on the vehicle stopping distance. Anti-lock braking system (ABS) is one of the most important features that affect on vehicle safety and for this reason much efforts have been made to improve this system. The objectives of the anti-lock system (ABS) are as follows: Preventing the wheels from locking, achieving maximum technical momentum in terms of braking, stability, reducing stopping distances. In this paper, we study the comparative of ABS brake and disc brake.

Keywords : anti-lock braking System (ABS), stopping distances, booster, car stability, force exerted on the brake pedal

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