



## Anti-lock braking system

By Frederic P. Miller

Alphascript Publishing Jan 2010, 2010. Taschenbuch. Condition: Neu. Neuware - An anti-lock braking system, or ABS is a safety system which prevents the wheels on a motor vehicle from locking up while braking. A rotating road wheel allows the driver to maintain steering control under heavy braking by preventing a skid and allowing the wheel to continue interacting tractively with the road surface as directed by driver steering inputs. While ABS offers improved vehicle control, and may decrease stopping distances on dry and especially slippery surfaces, it can also increase braking distance on loose surfaces such as snow and gravel .Since initial widespread use in production cars, anti-lock braking systems have evolved considerably. Recent versions not only prevent wheel lock under braking, but also electronically control the front-to-rear brake bias. This function, depending on its specific capabilities and implementation, is known as electronic brakeforce distribution, traction control system, emergency brake assist, or electronic stability control. 76 pp. Englisch.



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