
Introduces basic and advanced automotive braking system concepts, including theory and practical application. Provides instruction on Antilock Braking Systems, base brake systems, and Virginia State Inspection practices. Covers basic mechanical brake systems, hydraulics, precision measuring instruments, and how to use diagnostic test equipment. Provides preparation for the Automotive Service Excellence (ASE) A5 Brakes Certification examination. Lecture 2 hours. Laboratory 6 hours. Total 8 hours per week. 5 credits

The purpose of the course is to introduce basic and advanced automotive braking system concepts, including theory and practical application. It provides instruction on Antilock Braking Systems, base brake systems, and Virginia State Inspection practices. Covers basic mechanical brake systems, hydraulics, precision measuring instruments, and how to use diagnostic test equipment. The course also prepares students for the Automotive Service Excellence (ASE) A5 Brakes Certification examination.

Prerequisite: AUT 149.

Power Brakes
ABS Components and Operation
ABS Diagnosis and Service
Electronic Stability Control
Virginia State Inspection

May 1, 2015