

VSC 6

Course Category: Vehicle Systems
Chassis

Level: Intermediate

Duration: 2 days

Braking and Chassis Systems: ABS and ESP

**Braking problems? Warning Lights on?
We can help you solve these!**

Course Overview:

This course is designed for technicians involved in the inspection and repair of modern vehicle braking systems. It provides essential knowledge about the operation, maintenance and testing of electronically controlled braking systems, covering both Bosch and non-Bosch variants. The course includes the hydraulic actuation and electronic control of typical Anti-lock Braking Systems, and an introduction to Electronic Stability Control. The skills learnt will enable technicians to apply the correct procedures when carrying out service activities and diagnosis on these safety critical systems. This course is not necessary for technicians who have previously attended the advanced ESP and chassis control course VSC 13.

Course Content:

- Hydraulic braking systems
- Developments in Anti-lock Braking Systems (ABS)
- Wheel speed sensor technology and testing
- Electronic brake modulation technology
- Traction Control systems and process implementation (ASR/ TC)
- Electronic Stability Program systems (ESP)

Prerequisites:

All delegates should be familiar with the use of a vehicle system diagnostic tester and an oscilloscope prior to attendance. The Bosch course VSTD 9 provides training on the oscilloscope skills required.

Attainment:

On successful completion of VSC 6, delegates will be able to:

- Complete typical ABS or ESP tests to prove the integrity of the system and the related brake functions in ABS or ESP control unit.
- Carry out fault diagnostic tests on typical ABS or ESP systems that locate system and component faults that require repair or replacement.



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