



ANTI-LOCK BRAKING SYSTEM BOSCH ABS 5.3 EDUCATIONAL TRAINER

A5

Product number
MSABS01



Fully functional educational tool designed to demonstrate and analyze the Anti-lock Braking System (ABS) braking systems structure and operation. Housed in a mobile aluminum frame, this trainer incorporates Audi/VW OEM components and a BOSCH 5.3 ABS system, offering an in-depth educational experience for students and teachers in technical and vocational automotive education.



Features

- Functional BOSCH 5.3 ABS system includes all necessary components to demonstrate the operational structure and various modes of ABS systems.
- Equipped with pressure gauges to monitor the main brake circuit and individual wheel pressures.
- Features original hydraulic components, including brake pads and drums, to illustrate braking pressure dynamics.
- Contains detailed wiring diagram with built-in banana plug jumpers for measurement and fault simulation.
- Offers comprehensive diagnostic functions through an OBD 16-pin connector, including ECU identification, fault code management, and live data display.
- Supports connection to oscilloscopes and multimeters for detailed measurement of electrical signal parameters.
- Simulate various system faults for practical troubleshooting exercises. Closed structure with no visible internal wiring, ensuring safety and durability.





Value for instructors

- Fully functional ABS braking system to demonstrate real-world automotive systems, ensuring students receive practical and relevant training.
- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic truck repair experience.
- Provide a safe learning environment with a closed structure and no visible internal wiring, reducing the risk of accidental damage or injury.
- Board on castors version, which is mobile and space saving in the classroom, allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.
- Training stand is designed for simplicity, requiring only small adjustments to reset to default parameters, making it easy to prepare and start each lesson quickly and efficiently.



Value for students

- Gain detailed knowledge of the Anti-lock Braking System (ABS) control system, including its components, operation modes, and the principles behind electronic braking.
- Perform precise measurements using installed pressure gauges to monitor main brake circuit pressure and individual wheel pressures. Use banana plug connectors for electrical signal measurements of system components.
- Engage in practical fault code simulations and diagnostic procedures through the OBD 16-pin diagnostic connector, learning to identify and rectify system faults.
- Observe and understand the operation of the hydraulic brake system, including the movement of brake pads and fluid pressure dynamics during braking.
- Use an oscilloscope or multimeter to measure live system parameters, enhancing diagnostic skills and technical proficiency.
- Clearly visible all airbrake components, its working principles. Safe and informative stand to understand all functions.



Specifications

- Dimensions: 1820 x 1360 x 500 mm (71.65in x 53.54in x 19.69in)
- Weight: approx. 70 kg (154 lb)
- Power supply: 12 V from the battery (not included as standard accessory)
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