



BRAKE RIGS EDUCATIONAL TRAINER

A5

Product number
MSSS01



Fully functional hydraulic braking educational system with ABS. This advanced training rig incorporates a cross diagonal hydraulic circuit, brake booster, and both front and rear disc brakes with calipers. It is mounted on a mobile frame with 4 casters for ease of use and integration into various learning environments.



Features

- Includes front and rear discs with calipers, and a functional parking brake.
- Fully operational electronic ABS system with wheel speed sensors and solenoid valves.
- Demonstrates the increase in braking force with vacuum assistance.
- Four installed pressure gauges to monitor brake circuit pressures in real-time.
- Integrated OBD 16-pin connector for system diagnostics, fault code management, and live data display.
- Simulate driving conditions and wheel lock scenarios to study ABS behavior.
- Mounted on a solid frame with four castors for easy mobility and space-saving storage.





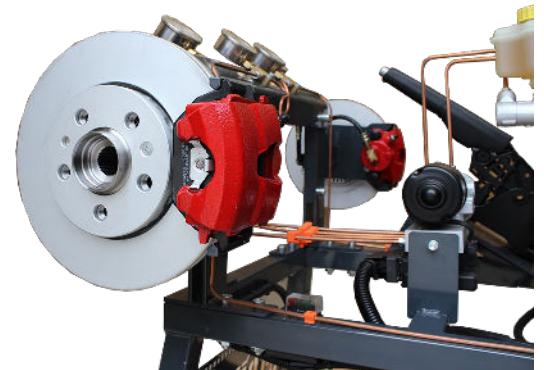
Value for Students

- Fully operational hydraulic braking system, including the brake booster and electronic ABS. Understand the intricate workings and interaction of all brake components.
- Use pressure gauges to monitor fluid pressure in each wheel's brake circuit. Perform real-time measurements and diagnostics to grasp brake force distribution and ABS functionality during various driving conditions.
- Detailed diagnostic procedures with the integrated OBD 16-pin diagnostic connector. Learn to read and erase fault codes, display system parameters (live data), and conduct air bleeding operations.
- Explore the functionality and operation of key components such as wheel speed sensors, hydraulic pumps, solenoid valves, and the ABS control unit. Understand the principles of brake force adjustment and the effects of wheel locking.
- Experience driving mode simulations and wheel blocking scenarios to observe ABS activation and monitor pedal response.
- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Safe and durable design education stand, clearly visible all system components.



Value for Instructors

- Full operating hydraulic braking system with ABS using OEM automotive components from Audi/VW, ensuring students receive practical and relevant training.
- Utilize the integrated pressure gauges and OBD diagnostic tools to offer detailed and interactive lessons on system diagnostics, fault detection, and repair procedures.
- Ensure student safety with a sturdy frame, mobile castors, and protective design features. The trainer's ease of setup and reset enhances classroom efficiency.
- The 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.
- Compact and mobile for efficient use of classroom space. Durable and light construction from solid metal frame to make it long lasting and safe to use.



Specifications

- Dimensions: 1250 x 1000 x 750 mm (49.21 in x 39.37 in x 29.53 in)
- Weight: approx. 99 kg (218 lb)
- Power supply: 12 V from the battery (not included as standard accessory)
- Components: Includes brake pedals, master cylinder, brake fluid reservoirs, hydraulic lines, brake light, control panel, and transport wheels.
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