



TRUCK AIR SUSPENSION EDUCATIONAL TRAINER

A4

Product number
MSPPS01



This fully operational truck air suspension educational trainer includes a complete Electronically Controlled Air Suspension (ECAS) air suspension system, an air reservoir tank, ECAS ECU, height sensors for both front and rear axles, and a remote control pad for height adjustments and diagnostics. It enables users to simulate fault codes and conduct detailed system analysis through the diagnostic socket, providing a hands-on learning experience essential for mastering modern truck air suspension technologies.



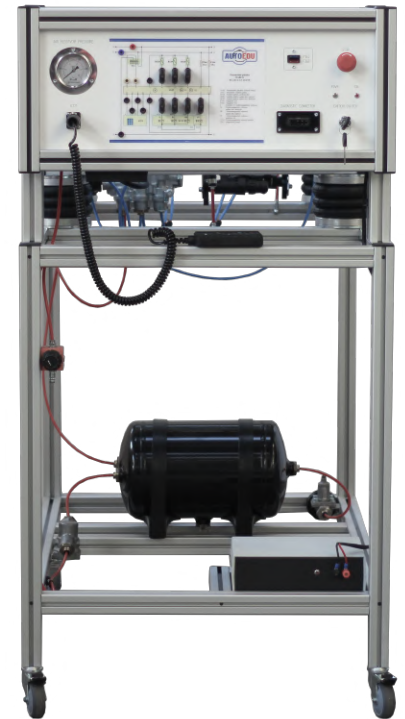
Features

- Includes all essential components such as air reservoir tank, ECAS ECU, height sensors for front and rear axles, and pneumatic elements.
- Integrated diagnostic socket for fault code simulations and system diagnostics.
- Remote control pad for adjusting suspension height with momentary-contact switches for raising, lowering, and memory level settings.
- Equipped with air pressure manometer, wiring diagram, fuses, STOP switch, stand status indicator, remote control connector, diagnostic connector, and ignition key.
- Displays all elements, connection circuits, contact numbers, component numbers, and jumper locations for thorough understanding and troubleshooting.



Value for Students

- Fully operational Electronically Controlled Air Suspension (ECAS) air suspension system, enhancing practical skills in real-world scenarios.
- Utilize the diagnostic connector to perform fault code simulations and detailed system diagnostics, improving troubleshooting abilities.
- Learn to control and adjust suspension height using the remote control pad, familiarizing with the precise operations of ECAS systems.
- Study the air reservoir tank, pressure regulators, air bags, and various pneumatic components to understand their interactions and functions within the air suspension system.
- Analyze the wiring diagram, which includes sensors, actuators, data transmission lines, and diagnostic connections, to grasp the integration of electrical and pneumatic systems.
- 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

- Fully operational trainer demonstrating the complete functionality of ECAS air suspension systems, aiding in effective teaching and student comprehension.
- Provide a safe learning environment with protective features such as a STOP switch and enclosed wiring. Closed panels and internal wiring makes it safe to use and ensures accidental damage to sensitive training stand parts.
- Compact and vertically oriented for enhanced mobility and efficient use of classroom space. Durable and light construction from solid aluminum frame to make it long lasting and safe to use.
- 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.
- Uses OEM automotive parts for an authentic and practical learning experience. Students gets real experience with all parts and functions exact as in real cars.

Specifications

- Dimensions: 1100 x 700 x 1240 mm (43.31 in x 27.56 in x 48.82 in)
- Power supply: 24 V DC
- Product number: MSPPS01