



# TRUCK AIRBRAKES WITH EBS EDUCATIONAL TRAINER

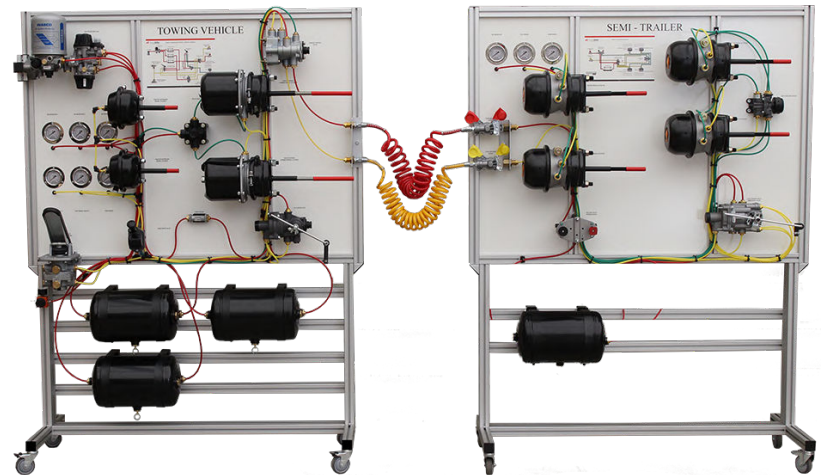
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Product number

MSSPPS01-EBS

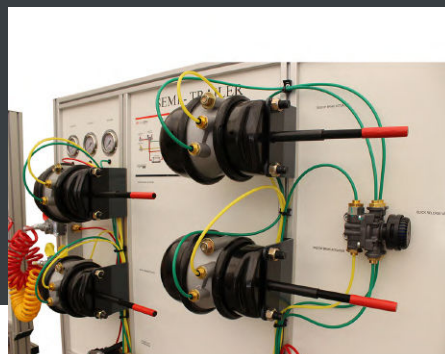


Fully functional educational trainer offers a detail and practical learning experience of truck and trailer pneumatic electronic Braking System (EBS) systems. This advanced training equipment, featuring OEM WABCO components, provides students with an understanding of airbrake systems, including the functionalities and diagnostics of EBS. Housed in a mobile aluminum frame, this educational tool ensures a realistic and safe learning environment for technical and vocational automotive education.



## Features

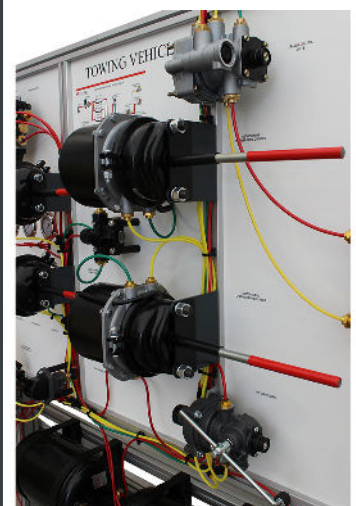
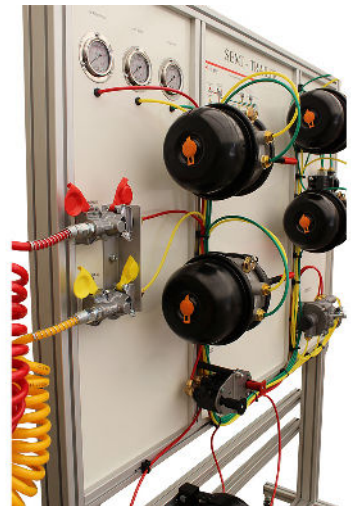
- Includes both truck and trailer pneumatic braking systems with real WABCO components.
- Equipped with six measuring gauges for truck lines and three for trailer lines to facilitate detailed system analysis.
- Features functional EBS systems on both truck and trailer, including EBS sensors for realistic fault simulation and diagnostics.
- Capable of simulating various faults, allowing students to practice troubleshooting and diagnostic procedures.
- Utilizes the same pneumatic components found in real vehicles, providing an authentic learning experience.
- The training board is installed in a durable and mobile aluminum frame, ensuring ease of use and longevity.





## Value for Students

- Fully functional pneumatic braking systems with Electronic Braking System (EBS), replicating real life truck and trailer configurations.
- Learn the operational principles of truck and trailer EBS systems, including functionality of ABS sensors.
- Six measuring gauges for truck lines and three for trailer lines to perform accurate system measurements.
- Simulate different driving speeds, decrease in rotation speed of the braked wheels, change in air pressure, and mechanical and electrical system failures.
- Develop diagnostic skills by simulating faults and performing comprehensive system checks using real OEM components.
- Elements are presented in the electrical diagram: sensors, execution components, data transmission lines, diagnostic connection. See the connection circuits of elements, connection contact numbers, component numbers, and installation locations of the jumpers.
- Study and identify the various pneumatic components used in actual vehicles, enhancing familiarity with real-world automotive systems.
- Clearly visible all airbrake components, its working principles. Safe and informative stand to understand all functions.



## Value for Instructors

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic truck repair experience.
- Use OEM WABCO components to provide students with practical, real-world experience.
- Effectively demonstrate the intricacies of truck and trailer pneumatic braking systems, including ABS functionalities.
- Space-saving, functional and durable design: 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. Closed panels and internal wiring makes it safe to use and ensures accidental damage to sensitive training stand parts.
- 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.

## Specifications

- Truck stand dimensions: 1610 x 1820 x 500 mm (63.39 in x 71.65 in x 19.69 in)
- Truck stand weight: ~ 137 kg ( 302 lb)
- Truck stand power supply: ~230 V/110V (US version)
- Trailer stand dimensions: 1360 x 1820 x 500 mm (53.54 in x 71.65 in x 19.69 in)
- Trailer stand weight: ~ 83 kg (182 lb)
- Product number: MSSPPS01-EBS