

H-AUTO-BS

Automotive Braking System Trainer

Purpose

The **Hampden Model H-AUTO-BS** Automotive Braking System Trainer demonstrates a braking system utilizing front disc brakes and rear drum brakes. Except for the emergency brake system, rear disc brakes operate on the same principle as the front disc brakes. Not all vehicles are equipped with rear disc brakes because of their cost.

Anti-lock braking system (ABS) has been presented with some basic functions. A diagnostic scanner that is programmed for the specific manufacturer that is being serviced, is needed for advanced diagnostics. If the amber ABS light illuminates, the brakes will operate under normal operating situations without automatic control. ABS action can be turned off or on via a panel toggle switch.

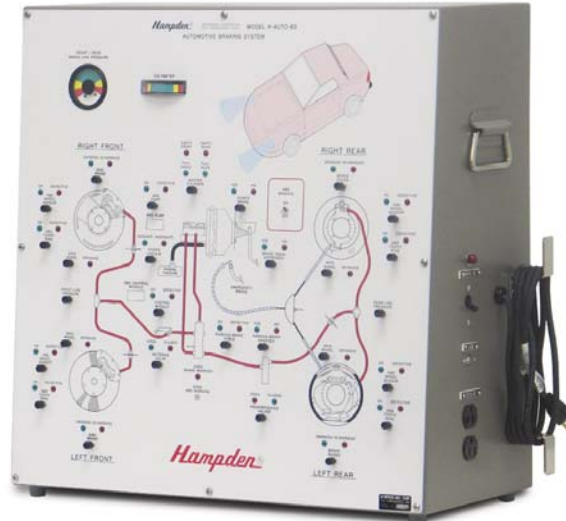
Electronics is becoming an important part of the braking system. In most service cases it is mandatory to have a code scanner and a lab oscilloscope to pinpoint various problems within the vehicle.

The computer screen provides visual feedback on automotive systems with the following components: brake pedal, parking brake and brake line air tests.

Testing Capabilities

Hampden's **Model H-AUTO-BS** demonstrates brake system fundamentals, featuring disc and drum brake theory and repair.

- Master Cylinder
- Brake System Metering Valve
- Rear Drum Brakes
- Self Adjusting Drum Brakes
- Emergency Brake
- Front Disc Brake
- Spongy Brake Pedal
- Power Brake



Model H-AUTO-BS Automotive Braking System Trainer
Dimensions: 25"H x 24"W x 12"D
Shipping Weight: 110 lbs

Real-Time Performance

Hampden's line of **Computer Assisted Panel Instruction Modules** have been designed to provide realistic System Operation & Troubleshooting functions to virtually *ANY CLASSROOM!* Each module's front panel is silkscreened with a complete schematic & pictorial layout of all system operations and combined with actual test-point pushbuttons, LEDs and meters.

All units are controlled via a PC using supplied Hampden software and USB I/O Interface.

Realistic Problem Solving in the Classroom

All Instruction Modules have the capability of inserting system specific Mechanical & Electrical malfunctions. This gives students the added experience of resolving realistic problem situations which would otherwise be very difficult for an instructor to create in a classroom.

Standard Features

- Schematic and Pictorial Test Points
- Specification Chart
- Improper Equipment Use Warning
- Component Isolate Switch
- Malfunction Indication
- Windows Digital Control System
- Duplex Socket for Power
- Power Indicator Lamp

All Hampden units are available for operation at any voltage or frequency

Hampden
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