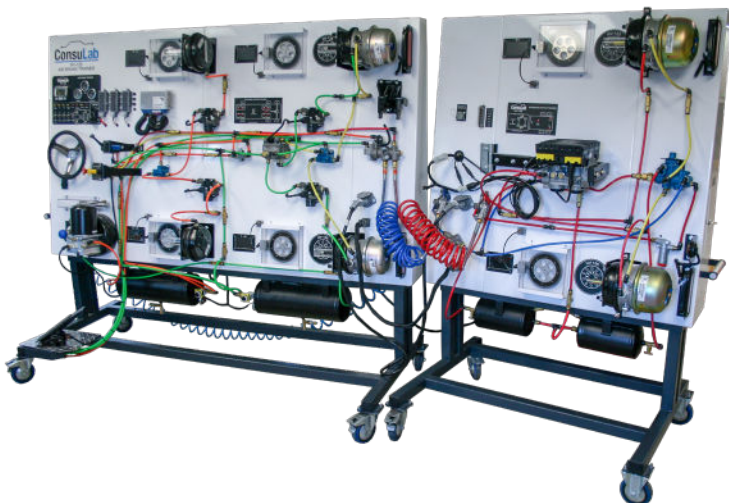


### Take your class on a road test!



Imagine **driving** down the road with your class of students while demonstrating **ABS, ATC** and **ESC** functions on a complete air brake system with all students viewing the scan data and wheel speeds!

- Teach basic air brake inspections
- **Liberate** yourself from lengthy setup times and exercise development
- Be setup to teach in **5 minutes**
- Challenge your students with basic, intermediate and advanced exercises
- **30+ pneumatic and electrical faults**

Meticulously designed as the **premier** air brake system training aid in the world. This product is comprised of a complete tractor and trailer air brake system with all DOT approved components; disc and drum brake systems, and all valving currently in use today. No legacy components here. This is the real deal.

### Included Support Materials

- Complete **operation manual**
- Pneumatic schematics
- Faulted pneumatic schematics
- Wiring schematics
- Faulted wiring schematics
- **39 student assignments**
- Instructor guide with answer keys
- All documents available in PDF format for download from [www.consulab.com](http://www.consulab.com)
- **Available on-site teacher training**

### Features

- FMVSS 121 compliant
- Demonstrates ABS braking events
- Individual tone wheels and electric motors driving each wheel
- Demonstrates trailer sway and ESC
- Real accelerator and brake pedals
- Live J1939 CAN bus network
- Datalink connector for scan tool
- Dynamic driving simulation up to 55 mph
- Individual wheel speed displays
- Fits through a standard doorway

### Main Components

- <sup>TM</sup>Bendix EC-60 ECU for the tractor
- <sup>TM</sup>WABCO RSS+ ECU for the trailer
- Disc and drum air brake chambers
- <sup>TM</sup>Bendix AD-IS dryer w/integrated wet tank

### Available Foundation Air Brake Wheel Ends

#### HV-124-DISC

- Trailer axle disc brake with parking and service brakes
- Cutaway view of caliper to see mechanical actuation

#### HV-124-DRUM

- Trailer axle drum brake with parking and service brakes
- Cutaway allows visualization of foundation brake actuation

#### HV-124-FDRUM

- Truck steering axle drum brake with service brake
- Cutaway view of drum allows full visual of operation



HV-124-DISC  
(shown)



HV-124-DRUM  
(shown)



HV-124-FDRUM  
(shown)



30255-7  
(shown)

### Optional Equipment

#### 30255-7

- Removable breakout box include sets of T-harnesses that allow non-invasive electrical component testing by use of OEM male and female connectors and provided 2mm test points.

#### 30256

- Set of defective components for fault insertion to facilitate student diagnosis assignments:
  - <sup>TM</sup>Bendix WS-24 Wheel Speed Sensor
  - <sup>TM</sup>Bendix ABS Modulator Valve (2 each)
  - <sup>TM</sup>Bendix Quick Release and Double Check Valve
  - <sup>TM</sup>Bendix ATR-6 Traction Relay Valve



30256  
(shown)

#### 93788

- NEXIQ USB link 2 communication interface

### Infrastructure requirements:

- 120VAC 15A
- 140psi air supply

### Physical Specifications

Tractor Panel Dimensions: 86 x 69 x 32 in (218.4 x 175.3 x 81.3 cm) / 90 x 75 x 48 in (254 x 190.5 x 121.9 cm) (w/packaging)

Trailer Panel Dimensions: 52 x 69 x 32 in (132.1 x 175.3 x 81.3 cm) / 56 x 75 x 48 in (142.2 x 190.5 x 121.9 cm) (w/packaging)

Tractor Panel Weight: 744 lb (338.1 kg) / 844 lb (383.64 kg) (w/packaging)

Trailer Panel Weight: 450 lb (204.5 kg) / 510 lb (231.8 kg) (w/packaging)