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HV-125W

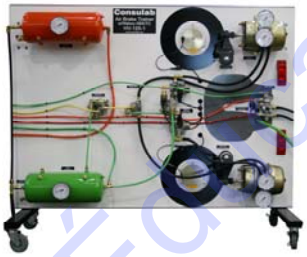
HV-125B

HV-125C

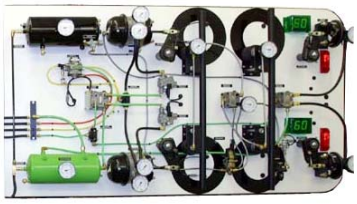
DESCRIPTION

The HV-125 Air Brake Trainers are mounted with OEM Bendix/Wabco parts and include complete ABS/TC systems. The mechanical and pneumatic components are fully operational and are compliant with all standards applied on trailer trucks. We offer the following trainers:

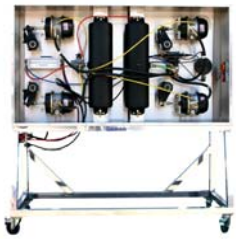
HV-125W AIR BRAKE TRINER w/WABCO ABS/ATC



HV-125B AIR BRAKE TRAINER w/BENDIX ABS-6/TABS-6



HV-125C CUSTOM AIR BRAKE TRAINER



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Consulab Éducatech Inc.
5100, rue des Tournelles, Suite 500
Québec, QC CANADA G2J 1E4
Phone: 418-688-9067/ 800-567-0791 Fax: 418-688-9526
Email: info@consulab.com Internet : http//www.consulab.com
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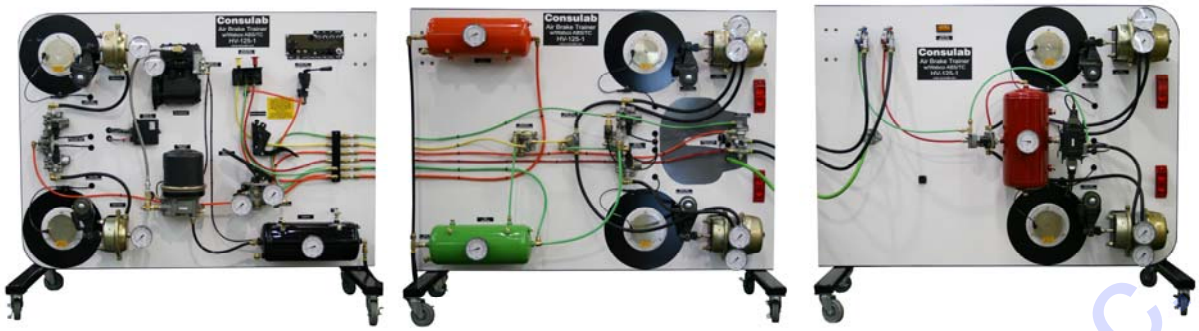
EM-125W

AIR BRAKE TRAINER WITH WABCO ABS/ATC



DESCRIPTION

The HV-125W Air Brake Trainer consists of Bendix and WABCO brake products including the WABCO ABS/ATC system. The valves and air system are completely functional and typical of most tractor/trailer rigs today built with ABS/ATC. Product features include:

- Bendix air compressor (Non functional) (A remote air source is needed);
- Bendix AD-IP air dryer;
- E-6 brake valve;
- MV-3 tractor/trailer supply valve module;
- TC-7 trailer control valve;
- TP3-DC tractor protection valve;
- D-2 air governor;
- Steer axle brake chambers;
- Spring brakes on tractor and trailer;
- Check valves;
- Color coded supply, front and rear service reservoirs;
- Operating tail lights;
- SR-5 trailer spring brake valve;
- ST-1 spring brake control valve;
- WABCO QR/modulator assembly on steer axle;
- WABCO Relay valve modulator assembly with ATC on drive axle;
- WABCO Trailer ABS modulator valve; and
- Electronic throttle pedal for wheel acceleration.

Any and all necessary valves and fittings to complete a functional system. Tooth wheels for the ABS sensors will be mounted on 12 VDC motors. Motor/tooth wheel speeds are regulated by an electronic controller to simulate ABS stops and traction control events. Digital read outs may be substituted In lieu of tooth wheels. An engine simulator is installed for proper operation of the ATC function.

Wheel speeds accelerate to 60 mph (100 km/h) and drop to 20 mph (32 km/h) in 1 second, creating an ABS event when the brake is depressed. J-1939 engine simulation provides information for the operation of traction control. J-1939 engine simulation provides information for the operation of traction control. Two Bendix RDUs (remote diagnositic units) are provided for quick diagnostic evaluation.

Over 20 ABS/ATC faults are simulated with switches mounted on the rear of the display. All necessary switches, lights including the J-1587 diagnostics port for laptop and handheld computer tests will be installed and functional. Stands with casters are provided for each panel to raise, lower and level the display. Panels are 48 x 66 in. 120 VAC outlet for the power supply and a remote air source required.

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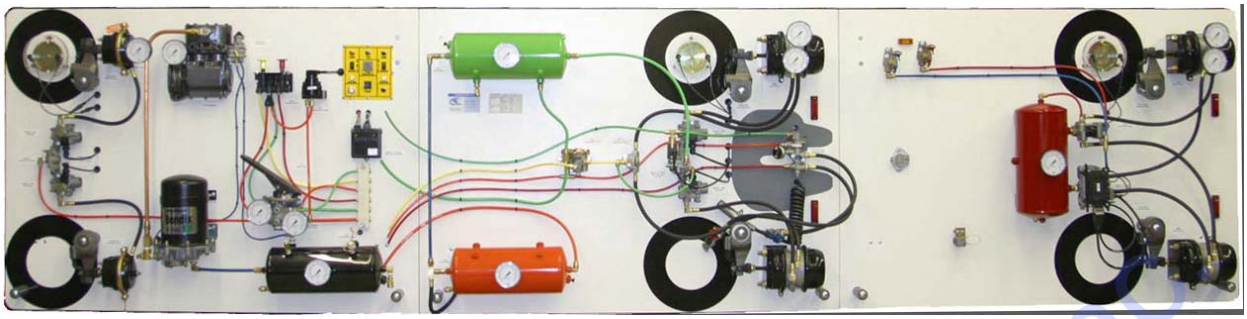
AIR BRAKE TRAINER W/BENDIX ABS-6/TABS-6



DESCRIPTION

The HV-125B Air Brake Trainer consists of all Bendix valves and the premium version of the Bendix ABS-6 tractor and TABS-6 trailer system. It incorporates the new Bendix AD-IS air dryer/reservoir module. Product features include:

- Bendix air compressor (Non functional) A remote air source is needed;
- Bendix AD-IS air dryer;
- E-8P brake valve;
- MV-3 tractor/trailer supply valve module;
- TC-7 trailer control valve;
- TP-5 tractor protection valve;
- D-2 air governor;
- Steer axle brake chambers;
- Spring brakes on tractor and trailer;
- Check valves;
- Color coded supply, front and rear service reservoirs;
- Operation tail lights;
- SR-5 trailer spring brake valve;
- SR-7 spring brake control valve;
- Electronic throttle pedal for wheel speed acceleration;

Any and all necessary valve and fittings to complete a functional system. Digital wheel speed readouts. Electronic controller simulates ABS stops and traction control events. An engine simulator is installed for proper operation of the ATC function. Available with digital speed readouts or motor driven wheel speed tone rings.

Wheel speeds accelerate to 60 mph (100 km/h) and drop to 20 mph (32 km/h) in 1 second, creating an ABS event when the brake is depressed. J-1939 engine simulation provides information for the operation of traction control.

Over 20 ABS and ATC fault switches provide simulated failures of the ABS/ATC system. All necessary switches, lights including the J-1587 diagnostics port for laptop and handheld computer tests will be installed and functional. Bendix RDUs (remote diagnostic units) are **not** provided with this system.

Stands with casters are provided for each panel to raise, lower and level the display. Panels are 48”X 66”. All that is required by you is a 120 VAC outlet for the power supply and a remote air source.

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Email: info@consulab.com Internet : http//www.consulab.com
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CUSTOM AIR BRAKE TRAINER

DESCRIPTION

SAMPLE PICTURE ONLY

The HV-125C trainer is designed to teach air brake systems used on trailer trucks. All OEM parts are mounted on two different panels – tractor panel and trailer panel – that include the following:

- One (1) air dryer
- One (1) tank - wet/supply (3 L minimum)
- One (1) tank - primary (equipped with one way check valve) (5 L minimum)
- One (1) tank - secondary (equipped with one way check valve) (5 L minimum)
- One (1) full dual foot valve (with extra strong bracket or permanently attached to the board)
- One (1) low air warning device, light and buzzer box, (100 V)
- Five (5) gauges (at least 4 in - 0 to 160 PSI)
- One (1) dual gauge for primary and secondary tanks (4 to 6 in - 0 to 160 PSI -permanently attached to board)
- Two (2) front air chambers
- Three (3) service relay valves
- Four (4) service and spring brake chambers
- One (1) manual slack adjuster
- One (1) automatic slack adjuster
- One (1) control switch for manual front wheel limiting valve
- One (1) manual front wheel limiting valve
- One (1) automatic front wheel limiting valve
- One (1) tank servicing
- One (1) set of easy-to-identify service line (normally blue)
- One (1) set of easy-to-identify supply line (normally red)
- Two (2) quick release valves
- Four (4) 2-way check valves
- One (1) trailer hand valve
- One (1) tractor protection valve
- One (1) dash control valve for tractor
- One (1) dash control valve for trailer
- One (1) glad hand bracket to support trailer hoses
- Four (4) glad hands (two (2) mounted on the glad hand bracket - trailer)
- One (1) spring brake modulator valve
- Five (5) air tank adaptors (to reduce noise)
- One (1) TR-1 relay emergency valve
- One (1) R-8 spring brake relay valve
- One (1) tank spring brake
- One (1) task valve (trailer spring brake valve)
- One (1) tank service brake (trailer)
- One (1) air board super structure with shelves
- Two (2) cross 1 male/3 female fittings
- Seven (7) T-connectors to plumb board and use gauges to prove valves

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Optional Items

- One (1) compressor to operate the educational air brake board
- One (1) demo, complete back wheel cut, all parts are differently colourful for better visualization of integral part of wheel, still functional when apply to the foot valve on the board (really used to prove the good or bad adjustment of the brake in class, the student can practice the air brake adjustment in classroom, include all integral parts of an axle wheel.
- One (1) demo, complete spring brake parking (cut away)
- One (1) demo, complete compressor (cut away)
- One (1) air dryer canister
- One (1) cabinet with 4 doors
- One (1) SR-5 trailer spring brake priority valve

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