

HVAC TRAINING BENCH WITH AUTOMATIC CONTROL



The EM-101 HVAC Training Bench with Automatic Control is based on a GM Buick Lucerne and has been specifically designed for the instruction of air conditioning systems used in today vehicles. The trainer is designed and constructed using recycled OEM components and has been engineered respecting the OEM design and function. The trainer is equipped with an electrical break out box providing easily accessible electrical test points for the HVAC control head. Clear sight glasses have been installed on the inlets and outlets of the H-block type TXV (Thermal Expansion Valve) that allow students to observe H-block operation and refrigerant changes of state.

Educational Advantages:

- Accessibility of HVAC components is enhanced by not having the requirement of whole vehicles in the shop.
- A/C high and low side gauges and service port fittings for evacuation and recharge.
- All rotating components are covered with safety shields or guards to prevent injuries.
- Ability to operate a functional HVAC system in a classroom environment without needing exhaust extraction equipment.

Application:

- GM Buick Lucerne 3.8L.
- Sanden A/C compressor.
- H-Block type TXV (Thermal Expansion Valve) system.

Standard Equipment And Features:

- All OEM components, wiring, connectors and wire colors.
- Integrated HVAC Control Head Break Out Box with test points for all terminals sized for standard meter leads.
- Fault box with twelve (12) faults.
- Refrigerant type: R134a GM Buick.

Physical Specifications:

- Dimensions: 52 x 30 x 50 in (130 x 75 x 125 cm) / 58 x 34 x 54 in (145 x 85 x 135 cm) (w/package)
- Weight: 290 lb (131.8 kg) / 325 lb (147.7 kg) (w/package)