

GENERAL DESCRIPTION

The EM-101 Stand-Alone HVAC Training Bench is a secure, fully operational and secure HVAC system. The trainer demonstrates all the components of an electrically-operated HVAC unit and allows the students to see and have easy access to all OEM components. The training bench is mounted in compliance with the manufacturer's specifications and standards, and is wired accordingly to OEM electrical diagrams.

The training bench includes :

- HVAC components mounted on a tubular steel frame (2"X 2") (5 x 5 cm) with acrylic enamel paint;
- Four (4) phenol 5-inch (12 cm) phenol casters (two (2) lockable);
- Cleaned OEM parts;
- Control panel with built-in sensors, LED indicators, ignition key, A/C control, etc.;
- PCM breakout box
- HVAC control module breakout box;
- Electric vacuum pump (10-A fused);
- Crankshaft sensor;
- Crankshaft simulator (toothed wheel);
- Coil with spark plugs;
- Electric capacitor-start motor (2 HP) for driving the compressor;
- Power supply, 12-V DC;
- Original fuse boxes (2);
- Data link connector (DLC);
- Lockable fault simulator for A/C (EM-254);
- Complete A/C system with sight glasses (EM-140-14)
- Automatic climate control air box simulating the interior of a vehicle (EM-140-13);
- R134A Refrigerant; and
- Safety guards for driven parts.



OPTIONAL EQUIPMENT

- Protective cover (EM-1200).



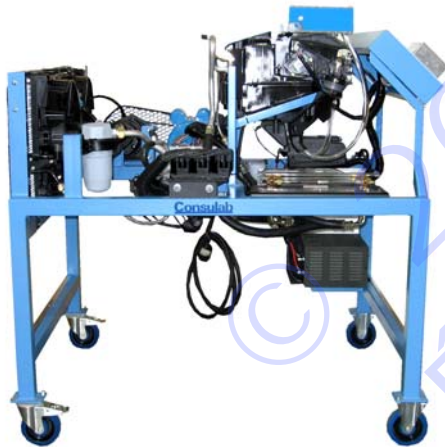
EM-254, LOCKABLE FAULT SIMULATOR FOR A/C

- Includes six (6) switches allowing instructors to enable or disable A/C system fault simulation; and,
- One (1) lockable metal case with two keys.



EM-140-13, AUTOMATIC CLIMATE CONTROL AIR BOX

- Air box representing the interior of a vehicle;
- Permits teaching inside air temperature change and A/C automatic climate control; and,
- Single or double zone versions.



EM-140-13, A/C SIGHT GLASSES

- Allows students to visualize A/C systems like never before;
- Orifice tube positioned to allow students to see refrigerant state change; and,
- A must for every A/C class.



EM-101 CONTROL PANEL



EM-101 ELECTRIC MOTOR AND VACUUM PUMP

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