

**AUTOMOTIVE SERVICE & REPAIR
HALF VEHICLE W/AC****GENERAL DESCRIPTION**

The Consulab EM-610AC Automotive Service and Repair Half Vehicle Training Bench with A/C is perfect for smaller work areas. The trainer allows the student access to all of the main systems with OEM components. Ideal for easy demonstration and handling in group sessions. Built from your choice of either 4- or 6-cylinder North American or Japanese import, the training bench includes the original AC system, engine and AC fault insertion and the following features:

- Front section of a car (half vehicle);
- Car paint;
- Safe gas tank and line;
- Four (4) five-inch swivel casters (2 lockable);
- DLC connector for complete diagnosis;
- Electronic fuel injection;
- Automatic or manual transmission;
- Ignition system;
- Braking system;
- Front suspension system;
- Steering system; and,
- OEM A/C system.

OPTIONAL EQUIPMENT

- Air bag system (EM-300-07);
- Breakout box (EM-100);
- Engine fault simulator (EM-250);
- A/C fault simulator (EM-254);
- Original shop manual;
- Protective cover (EM-1200);
- Automatic regulated 12-V battery charger (EM-1210); and,
- AM/FM radio & CD player with amp & speakers.



TRAINING GUIDE

Includes CEMEQ training guide #3 Engine performance which includes the following materials:

Chapter 1 Engine operation

- 1.1 Operation of the Engine's Mechanical System
- 1.2 Troubleshooting an Engine's Mechanical System
- 1.3 Engine Mechanical Performance

Chapter 2 Supply systems

- 2.1 Air Supply System
- 2.2 Fuel System

Chapter 3 Ignition systems

- 3.1 Mechanical Advance Ignition Systems
- 3.2 Electronic Advance Ignition Systems
- 3.3 Integrated Direct Ignition Systems (IDI)

Chapter 4 Troubleshooting

Chapter 5 Inspecting and correcting engine performance

- 5.1 General Summary
- 5.2 Synthesis Activity
- 5.3 Conclusion
- 5.4 Bibliography

Appendix A Answer Key

Appendix B List of Required Material

