

Automotive Bus Air-Conditioning Trainer Order Code : 32510 is designed to enhance student study of bus air conditioner trainer. The trainer is fabricated in aluminum profile rack. Mounted with diesel engine couple to open type reciprocal type compressor, other accessories such as fuel tank, air cool radiator, engine speedometer also incorporated. The refrigeration side of this trainer consists of air cool condenser, air force evaporator, with Thermal expansion valve control, High low pressure switch, solenoid valve, pressure gauge high / low, Filter.

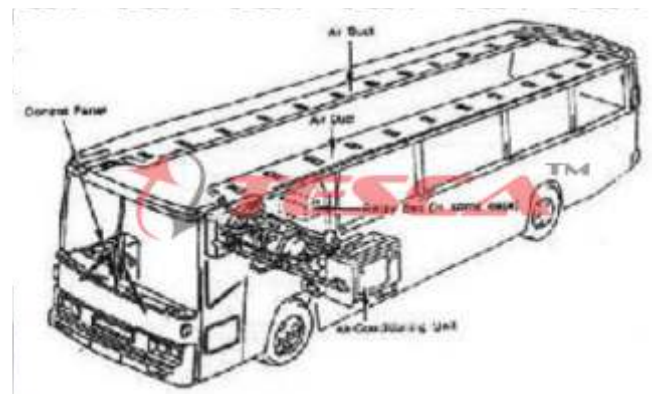


**The trainer cover the experiments of:**

- Basic operating principal of vapour refrigeration cycle.
- Bus air conditioner operating principal.
- Electrical control of the system.
- Diesel engine operating principal.
- Basic trouble shooting skill training.
- Basic air conditioner service skill.

**Technical Specification**

- Engine : Diesel engine 4 cylinder in line. Bore : 88mm. stroke : 102mm. 2000cc.
- Mitsubishi engine. 20 liter fuel tank, air cool radiator, Speedometer.
- Speed : 1100 rpm.
- Condensing system : Condenser copper tube and aluminum. Plate fin type with induced air fan.
- Thermal static expansion valve TVX.
- Receiver tank capacity: 5 liters
- Drier –strainer, filter.
- Sight glass
- Piping : in color copper tube and hose.
- Engine speed control : 3 step control by solenoid valve.
- Temperature control : automatic by digital controller.
- High / low pressure switch to control the engine.
- Safety over current breaker.
- Oil pressure switch for safety protection switch.
- Fan Speed : 3 speed, High, medium, low for control evaporator blower.



**Accessories**

- The System comes complete with all accessories required for training and teaching the principles, theory & practical technology.

**Manuals**

- Operating instructions
- Student experiment book
- Teacher's answer book.

Note: Specifications are subject to change.

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