



Feature

- Engine Simulator Equipment which equipped with fuel, cooling, intake, exhaust and car electricity system so that allows variety of theoretical training and experiments.
- Easy to check and diagnose all faults that can happen in an actual vehicle system so that allows effective education concerning maintenance system.

Specification

■ Composition

- 1) Electrical Control Gasoline New 4 Cylinders Engine Assembly
- 2) Electrical and electronic devices such as, ECM, TCM, AFS, CKP, CMP, O₂Sensor, WTS, Control Relay and etc
- 3) Carburetor, Injector, Fuel Filter, Fuel Tank, Fuel Pump, Fuel Equipment, DC 12V/70A Battery for Vehicles, Generator
- 4) Ignition coil, Spark Plug, High Voltage Cables etc
- 5) Water cooling System such as Radiator, Overflow Tank, Relay, Electric Fan
- 7) Exhaust System such as Catalytic Converter, Emission, Silencer
- 8) Ignition Switch (Operating Key S/W) Anti-vibration dampers and urethane wheels

Training Contents

- Various practices by self-diagnosis.
- Various practices by Electric-controlled gasoline engine tune-up.
- Measurement and inspection of Auto transmission.
- Measurement and inspection of Hydraulic measurement in accordance with A/T Range.
- Measurement of exhaust, Measurement and inspection of compression pressure of cylinder.
- Measurement of radiator cap pressure and inspection of the leakage from the radiator.
- Operation test of Fuel pump, Measurement and inspection of Oil

- 9) Full charging circuit
- 10) Control box, fuel tank (removable), accelerator pedal
- 11) Stainless molding type safety guard is installed
- 12) Radiator-only stand and laser processing protection panel
- 13) Automatic transmission oil level indicator for each singular *6 (1.5MPa *3, 2.5Mpa *4)
- 13) Temperature indicator
- 14) Fuel level indicator
- 15) Charging indicator
- 16) RPM indicator
- 17) Full Electric circuit with fuse box

■ Size : Approx. 1,500 X 1,400 X 1,300 mm

■ Weight : Approx. 400 kg

- Measurement and adjustment of tensions of timing chain and fan belt.
- Measurement and adjustment of voltage and current in such as a charging circuits, start circuits.
- Connector checking terminal for inspection of sensors and actuator.
- Inspection of every part of intake and exhaust system.
- Inspection of every part of each automotive electricity, fuel system, ECU, sensors and actuator.
- Inspection of belts in cooling system and pumps.