



## Feature

- As a simulator education unit equipped with fuel, cooling, suction, exhaust systems of gasoline and CNG engine, enable to do various theory educations and practices.
- Easy to check and diagnose all faults that can happen in an actual vehicle system so that it's able to do effective education concerning maintenance system.
- It is the best model to see operation state and location of components by making parts which aren't seen at an actual one open.
- Manometers for education of circuit operation according to shifting process are installed at each hydraulic line of A/T ranges
- Test using diagnosis is available because checking sockets for education are installed at automotive electric circuit and each sensor.
- Exhaust muffler is specially designed with heat-resisting paint to be maintained at high temperatures up to 600°C.
- The entire process of ISO9001 and D.C.C.A.P.T of TQC method of YES01 are applied in manufacturing.

## Specification

### ■ Composition

- 1) Gasoline / CNG remodeling engine assembly
- 2) Auto transmission assembly
- 3) All electronic devices relevant to starting
- 4) Fuel tank (LNG gas), DC 12V car battery and generator
- 5) Cooling device such as radiator, electric fan, overflow tank and relay and antifreeze.
- 6) exhaust system such as catalyst convertor and silencer
- 7) Operation switch(Key S/W), anti-vibration damper and urethane wheel

■ Size : Approx. 1500 X 1200 X 1200 (L x W x H, mm)

■ Weight : Approx. 500kg

- 8) Control box(for measurement of waveform), fuel tank(separate type) and accelerator lever
- 9) Installment of safety guide of stainless molding type
- 10) Standard stand for radiator / Laser-processed protection panel
- 11) Hydraulic gauge of each shift of auto transmission \*6 (1.5MPa\*3 / 2.5Mpa\*4)
- 12) Vacuum and pressure gauge \*1 (0.1Mpa)
- 13) Fuel pressure gauge \*1 (1Mpa)
- 14) Battery voltage gauge \*1 (30V)

## Training Contents

- Various practices by self-diagnosis.
- Operation, measurement and inspection of auto transmission
- Measurement and inspection of oil pressure at each A/T range
- Measurement of exhaust / Measurement and inspection of compression pressure of cylinder
- Measurement of Radiator cap pressure / Radiator leak test and inspection
- Operation test of Fuel pump / Measurement and inspection of Oil pressure

- Measurement and adjustment of tensions of timing chain and fan belt
- Measurement and inspection of voltage and current of various circuits such as charging circuit and maneuver circuit
- Connector-checking socket for inspection of sensors and actuator
- Inspection of every part of suction and exhaust system
- Inspection of every part of each automotive electricity, fuel system, ECU, sensors and actuator
- Inspection of every part of cooling system, belt and all kinds of pumps
- Inspection of the rest of parts