

YF SONATA HYBRID ENGINE FAULT DIAGNOSIS SIMULATOR



Non contractual photo

SERVICE :

REFERENCE : Y3510

- Hybrid (gasoline+electric) engine simulator that equipped with fuel, cooling, intake, exhaust panel so that allows theoretical training and experiments.
- 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.
- Test with diagnosis devices.
- Pressure gauge is attached on each range of hydraulic line on A/T for circuit training of each shifting process.
- Exhaust muffler is specially designed with heat-resisting paint to be maintained at high temperatures up to 600°.
- The entire process of ISO9001 and D.C.C.A.P.T of TQC method of YES01 are applied in manufacturing.

Educational Objectives :

- Various practices by self-diagnosis.
- Various practices related Hybrid System and Engine tune-up.
- Operation, measurement and inspection of auto transmission.
- Measurement of exhaust, Measurement and inspection of compression pressure of cylinder.
- Measurement of radiator cap pressure and inspection of the leakage from the radiator.
- Measurement and inspection of Oil pressure.
- 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.
- Inspection of the rest of parts

Technical specifications :

- Composition
 1. Engine and A/T auto transmission Specification
 2. 2,000cc, Gasoline & Hybrid motor
 3. Engine Style : Nu 2.0 gasoline, YF SONATA Hybrid Engine
 4. Transmission : 6-speed auto transmission
- Size : Approx. 1,500 X 1,400 X 1,300 mm
- Weight : Approx. 650 kg