Product name:	Product code:
Working Model Of Hybrid Petrol Engine	AEL-0031



Description

Working Model Of Hybrid Petrol Engine

Technical specification

- Fine finish
- Simple operations
- Functional accuracy

SPECIFICATION:

- Hybrid system with Gear box model system is installed in a mobile solid frame
- 4 cylinders engine
- DOHC overhead camshaft
- 4 valves per cylinder
- Roller chain
- VVT-I system (Variable Valve Timing with intelligence) electronically controlled intake valves
- Multi-point electronic injection with throttle
- Electrical engine
- Epicyclical engine
- Generator
- Transmission belt (CTV)
- Gears
- Differential group
- Exhaust manifold with Lambda probe

DESCRIPTION:

The hybrid petrol engine system working cut section model consists of hybrid system (HS) has two sources of power, the petrol engine and the electric motor. The HS recovers energy otherwise lost to heat in the brakes and uses it to supplement the power of its fuel-burning engine. MG1 (motor generator 1) generates electrical power and starts the engine. MG2 (motor generator 2) drives the vehicle during deceleration the wheels drive MG2, which acts as a generator for regenerative power recovery.

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The HS uses different modes to achieve the most efficient operation in response to driving conditions.
This cutaway model is carefully sectioned for training purposes, professionally painted with different colours to better differentiate the various parts, cross-sections, lubricating circuits, fuel system, cooling system etc. Many parts have been chromium-plated and galvanised for a longer life.

FEATURES:

- Hybrid system with Gear box model is ideal for classroom demonstrations
- Cross-sectioned various parts to show internal operation
- Operated: Manually
- Equipment Layout: On Base with wheel