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Product Name :
Hybrid Car Cutaway Model With LED Lamps

Product Code :
LBNY-0005-120000155



Description :

The model is sectioned to show its component parts and operation mechanism. Students can easily understand and observe automotive mechanism, such as engine generator, motor, reduction gear and drive shaft. This is a cut-away model of automobile chassis called Hybrid System Car. 2 different types of power source, gasoline engine and 3-phase AC electric motor, are operable and the operation is displayed on the rear panel. The model is designed to operate by electric motor. Students can perform and observe the operation of engine and/or motor by on-off switch on the front side. Various operation principles like starting, normal running, high load, reducing speed and reverse are also explained on the rear panel. HV Battery Assembly is installed on the back of an engine. The wiring including LED Lamps clarifies an electric flow.

Technical Specification :

Number of Cylinders: In-Line type 4 Cylinders
Compression Ratio: 13.5
Fuel Supply System: EFI
Valve Type: DOHC
Bore x Stroke: 75.0 x 84.7 mm
Displacement: 1696 cc
Brakes: Power-assisted Ventilated Front Disc / Rear Drum with ABS and integrated regenerative braking
Transmission: Electronically Controlled Continuously Variable Transmission
Suspension (front): Independent Strut with Stabilizer Bar
Supply Voltage: 230V

Dimensions:

Length 125 cm x Width 180 cm x Height 110 cm

Weight: 400kg.



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