

**Purpose:**

**To demonstrate the internal structure and working mechanics of a hybrid vehicle using real vehicle components.**

**Key Features:**

- Main parts of the **gasoline-electric hybrid power system** are cutaway to show internal structure for student learning.
- The **engine, MG1, and MG2** are driven by a **220V electric motor** to demonstrate the working process of the main hybrid components.
- **Energy flow direction** among the hybrid power system is simulated, showing the running status of:
  - Gasoline engine
  - MG1
  - MG2
  - HV battery
- Demonstration covers multiple driving modes:
  - Starting

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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- Driving at low, normal, and full speed
- Charging
- Stopping

**Components:**

- Real vehicle parts are used, including:
  - Gasoline engine cutaway
  - CVT cutaway
  - Inverter assembly cutaway
  - HV battery with cut cover
- Moving parts are equipped with **protection covers**
- Equipped with **emergency stop** and **earth leakage protection**
- Includes all necessary **relays, actuators, fuses, and circuit breakers**

**Additional Details:**

- Circuit diagram of the system is printed in **color and in English**
- Operation manual and experiment sheets should be supplied to cover relevant competencies
- **Warranty:** At least one year after purchase

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