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## **CUT MODEL OF SELF-STARTING SYSTEM AZA1251**

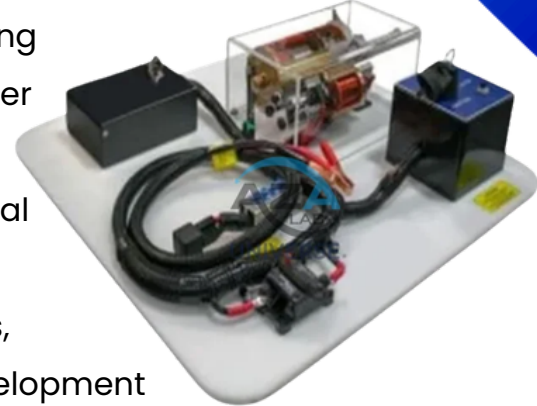
The AZA1251 Cut Model of Self-Starting System by AZA LAB is a fully functional automotive training model designed to demonstrate the construction, operation, and diagnostics of a vehicle starting system. Developed using genuine automotive starter components, this cutaway trainer provides a clear and practical understanding of how electrical energy from a battery is converted into mechanical motion to crank an internal combustion engine.

Specifically developed for automotive training institutes, ITIs, polytechnics, engineering colleges, and vocational skill development centers, the AZA1251 enables students to observe live starter operation while safely viewing internal mechanisms through a transparent protective enclosure.

### **DESIGN & EDUCATIONAL CONSTRUCTION**

The AZA1251 incorporates a cutaway automotive starter motor mounted inside a transparent Plexiglas safety enclosure, allowing uninterrupted visibility of internal components during operation. The precisely sectioned assembly exposes:

- Armature
- Field windings
- Solenoid mechanism
- Pinion gear
- Planetary gear reduction system





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This configuration enables instructors to explain the complete starting sequence step by step in a highly visual and interactive manner.

The trainer operates using a 12V automotive battery or jump box, accurately simulating real vehicle operating conditions. The system also includes:

- Ignition switch
- Relay
- Clutch switch

allowing students to study standard automotive starting circuit logic used in modern vehicles.

### **KEY FEATURES**

#### 1. FULLY FUNCTIONAL CUTAWAY STARTER SYSTEM

Provides live operational demonstration of a real automotive starting system.

#### 2. TRANSPARENT PLEXIGLAS SAFETY ENCLOSURE

Ensures safe operation while allowing full visibility of internal components.

#### 3. REAL AUTOMOTIVE COMPONENTS

Manufactured using actual starter system assemblies for realistic training.

#### 4. BUILT-IN FAULT SIMULATION BOX

Includes four selectable faults for advanced diagnostic training.

#### 5. COMPLETE STARTING CIRCUIT DEMONSTRATION

Incorporates ignition switch, relay, and clutch switch for full system understanding.

#### 6. COMPACT & PORTABLE DESIGN

Suitable for classroom demonstrations, workshop practice, and laboratory use.



## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1251
Make	AZA LAB
System Type	Automotive Self-Starting System
Starter Type	Cutaway, fully functional
Power Supply	12V battery or jump box
Safety Enclosure	Transparent Plexiglas
Fault Simulation	4 operational faults
Switches Included	Ignition switch, clutch switch, relay
Operation	Live demonstration
Dimensions (L × W × H)	550 × 400 × 300 mm
Weight	Approx. 20 kg