SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

Phone: +91 7015865225 **Email:** info@scienticoindia.com **Web:** scienticoindia.com **Address:** #71, Industrial Area, Ambala Cantt, Haryana, India

Cut Model of Self Starting System | Torquemaster-33

Category: Automobile Engineering Lab Equipment · **Order Code:** TORQUEMASTER-33 · **Country of Origin:** India

Product Overview

Cut Model of Self Starting System Torquemaster-33 demonstrates a complete starting system using real-world, cutaway components. Built by a specialist Cut Model of Self Starting System manufacturer, this fully functional trainer lets students view internal starter components live, enclosed safely in Plexiglas, while demonstrating starter planetary gear reduction. A fault box with 4 faults supports diagnostic troubleshooting, and a circuit breaker with reset protects the circuit. It requires a 12V battery or jump box and weighs approximately 20kg.

View this product online: https://scienticoindia.com/product/cut-model-of-self-starting-system-torquemaster-33/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Cut Model of Self Starting System Torquemaster-33 — Technical Specifications

Parameter	Value
Starter	Included
Ignition Switch	Included
Clutch Switch	Included
Relay	Included
Fault Box	4 faults
Circuit Breaker	With reset
Power Requirement	12V battery or jump box
Length	550 mm (approx.)
Width	400 mm (approx.)
Height	300 mm (approx.)
Weight	20kg (approx.)

Technical Data

Starting System Components

Parameter	Value
Starter	Fully functional, cutaway
Ignition Switch	Included
Clutch Switch	Included
Relay	Included

Fault Diagnostics

Parameter	Value
Fault Box	4 faults
Circuit Breaker	With reset

Power Requirement

Parameter	Value
Requirement	12V battery or jump box

Dimensions and Weight

Parameter	Value
Length	550 mm (approx.)
Width	400 mm (approx.)
Height	300 mm (approx.)
Weight	20kg (approx.)

Key Features

Key Features

- **Functionality:** Fully functional cutaway starter
- **Visibility:** Allows students to view all internal starter components during live starter operation
- **Safety:** Starter enclosed in Plexiglas to ensure student safety
- **Mechanism Demonstrated:** Starter planetary gear reduction
- **Circuit Testing:** Ability to test and verify a basic starting circuit
- **Fault Diagnostics:** Four operational faults can be inserted to promote student diagnostic troubleshooting competencies
- **Remote Switch Compatibility:** Starter solenoid can be bridged with a remote starter switch (not included) using solenoid primary terminals
- **Power Requirement:** Requires a 12V battery or jump box to operate
- **Manufacturing Standard:** Built by a trusted Cut Model of Self Starting System manufacturer for hands-on automotive training

Construction and Design

The Cut Model of Self Starting System Torquemaster-33 has key areas of the starter cutaway to allow visual observation of major components while the unit remains fully functional. The starter is enclosed in Plexiglas to ensure student safety. It demonstrates starter planetary gear reduction. The system includes a starter, ignition switch, clutch switch, relay, fault box with 4 faults, and a circuit breaker with reset. Four operational faults can be inserted to promote student diagnostic troubleshooting competencies. The starter solenoid can also be bridged with a remote starter switch, which is not included, using the solenoid primary terminals. The unit requires a 12V battery or jump box to operate. As a leading Cut Model of Self Starting System manufacturer, SCIENTICO India designs this construction to allow safe, live observation of starter operation alongside real-world circuit diagnostics.

Required for Operation

- 12V battery or jump box

Optional Accessories

- Remote starter switch (not included, can be used to bridge the starter solenoid using solenoid primary terminals)

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q: What is the Cut Model of Self Starting System Torquemaster-33 used for?
A: It demonstrates a complete starting system using real-world components, allowing students to view internal starter components during live operation and to test and verify a basic starting circuit.

Q: What safety features does the trainer include?
A: The starter is enclosed in Plexiglas to ensure student safety while all internal components remain fully functional.

Q: How does the trainer support diagnostic troubleshooting?
A: Four operational faults can be inserted into the fault box to promote student diagnostic troubleshooting competencies.

Q: What is required to operate the trainer?
A: A 12V battery or jump box is required to operate the unit.

Q: What are the dimensions and weight of the trainer?
A: L x W x H (approx.): 550 x 400 x 300 mm, weight (approx.): 20kg.

SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India
#71, Industrial Area, Ambala Cantt, Haryana, India

+91 7015865225 · info@scienticoindia.com
scienticoindia.com
Product reference: TORQUEMASTER-33