

**Product Name :**  
Spark Ignition System**Product Code :**  
THEM0015**Description :**

Spark Ignition System

**Technical Specification :**

The Waste-spark Ignition System Trainer is a training board used to teach the waste-spark electronic ignition system that is usually installed on some four-stroke cycle internal combustion engines.

The distributor less trainer is mounted with OEM components.

A spark-ignition engine (SI engine) is an internal combustion engine, generally a petrol engine, where the combustion process of the air-fuel mixture is ignited by a spark from a spark plug.

This is in contrast to compression-ignition engines, typically diesel engines, where the heat generated from compression together with the injection of fuel is enough to initiate the combustion process, without needing any external spark.

Requires a 12V DC power supply to operate.

**FEATURES:**

Ability to visualize the operation of a direct ignition system using coil-on-plug ignition technology.

Ability to test and verify a basic ignition circuit without distributor.

Actively troubleshoot faults that have been intentionally introduced in the connections.

Four operational faults can be inserted to promote student diagnostic troubleshooting competencies.

Includes wiring schematics.

Easily describe all of the components of the system that have been mounted together on a board.

Educate about the whole wiring system by disassembling and assembling the various parts.

Effortlessly use and display this model because of its compact and inclusive design.

**SPECIFICATION:**

Crankshaft position (CKP) sensor with gap adjustment

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Ignition control module  
Spark plugs and plug wires  
Fault box with 4 faults  
Electric motor driven crankshaft sprocket  
Motor speed controller  
Test points for diagnosis  
Requires a 12V DC power supply to operate

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