



System Features

- Mounted on a dedicated reduce-wear-bed
- Four cylinders, 4-stroke carburetor distributor.
- Spark ignition, for AAM type engine.
- Motorized Power to drive the carburetor at 5,500rpm.
- Single point injection with mono-motronic control unit.
- Error switch integrated into the control system

System Description

Base Stand:

This is made up of Aluminum bound sheets & Sections. This is painted specially with Powder coating. All equipment are mounted on base stand.

Spark Plugs:

Trainer consists of Spark plugs, which are connected in S.I. Engines are shown on the panel. These spark plugs spark for the combustion of the fuel and hence power is generated in the engines due to combustion. So the main purpose of Spark plug in the engine is to ignite the fuel is given through the distributor according to firing of engine.

Distributor

Distributor's main function is to distribute the spark from the ignition coil to the spark plug by making arrangement of normally open and closing according

to the firing order of the respective cylinder. It also controls and regulates the sparking in the engine through the point contact and condenser present in the Distributor.

Ignition Coil

Ignition Coil gives continuous 12 V DC Supply to the Distributor and further goes to the spark plug. It also has resistance to take away the full load of heat through the coil in case of voltage drop.

Specifications

Capacity: 12V DC
Make: Lucas.

List of Experiments

To study the automotive Ignition Demonstration and the accessories used in the Ignition kit.

Operation & Maintenance Manual

Self-explanatory operating & maintenance manual will be provided. This will include Theory, operating procedure, standard results, and maintenance procedures.

Service Required at Site

Electric Power Supply 230 V AC, 50 Hz.

Note: Specifications are subject to change.

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