



Automotive Ignition / Charging Demonstration Trainer Order Code : 32677 is designed to teach students principles of Ignition system used in modern vehicle through comprehensive practical activities. The activities include semiconductor familiarization, transistor basic circuit, contact breaker ignition, wasted spark ignition, electronic ignition systems, spark plugs, and alternator charging systems. The trainer is neatly laid out to represent the typical automobile ignition systems with distributor model, ignition coils, ignition circuit, alternator model, spark plugs model, camshaft and crankshaft sensor circuit and part of engine control unit (related to ignition system).

SYSTEM COMPONENTS

- Ignition systems with distributor model,
- Ignition coils,
- Ignition circuit,
- Alternator model,
- Spark plugs model,
- Camshaft and crankshaft sensor circuit
- Circuit board with electronics components
- Ecu,
- System diagrams,
- Power supply,

Note: Specifications are subject to change.

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- Electrical test leads,

LIST OF EXPERIMENTS

- Relevant theory of engine ignition and charging systems
- Practical activities using the circuit board,
- Multimeter and oscilloscope for observation, measurement and troubleshooting.
- Multimeter and oscilloscope is as an optional item.

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 supply 220 - 240V AC, 50 Hz supply.