

Vehicle Electrical System

Introduction

The device is designed based on the electric equipment system of the finished Volkswagen Santana 2000 to holistically demonstrate structures and operation of the meter, lighting, wiper, horn, ignition, electric window, electric door lock, sound, startup, and charging systems. It applies to the teaching of automobile electric equipment theories and maintenance practicing in secondary and senior vocational skill schools, normal education and training institutions

■ DLQC-DQ001 Santana 2000 Automobile Electric Demonstrating Board



■ Feature

- A real and operable electric equipment system is used to illustrate the structure of the system.
- After the electric equipment system is powered on, switches and buttons of various electric equipment can be operated to demonstrate operation of the meter, lighting, wiper, horn, ignition, electric window, electric door lock, sound, startup, and charging systems.
- A color circuit diagram on the instruction board is fixed with aluminum rims. The diagram and electric equipment system can help trainees learn and analyze the operating principle of the system.
- The instruction board is installed with detection terminals to detect electric signals, for example, resistance, voltage, current, and frequency, of circuit components of the electric equipment system of the finished automobile.
- The instruction board is installed with a diagnosis socket connecting a dedicated or universal automobile decoder. The diagnosis socket reads fault codes, clears fault codes, and reads data stream from the engineer control unit (ECU).
- The teaching board's base frame is made of steel and the surface is paint-coated. Self-retention wheels are installed.
- Fault setting and appraisal system (see fault setting and appraisal Features)

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

■ Basic Configuration

- The engine control unit, combination instruments, electronic throttle body, left front window motor, right front window motor, left front lock block, right front lock block, left rear window motor, rear locking block, right rear window motor, right rear locking block, mirror switch, window switch, mirrors, diagnostic seat, crankshaft position sensor, oxygen sensor, air flow meter, knock sensor, water temperature, intake air pressure sensor, high voltage, ignition coils, spark plugs, fuel injectors ignition switch, comfort system control unit, keys with chip, identification theft coil, wiper motor, relay and fuse box, generator, starter, battery, sound system, left right rear headlamp assembly, front left and right turn signals, left and right front fog lights, rear left and right fog lamps, rear left and right turn signals, rear left taillight, license plate lights, interior lights, reading lights, showing wide lights, power switch, training panels, motors, mobile gantry and casters, supporting manual and training guide book and other components.

■ Training Content

- A Automobile electric component parts of each system and control theory project training.
- Automobile electric engine control systems, instrumentation systems, lighting systems, wiper systems, speaker systems, ignition systems, electric windows, electric door lock system, sound system, starting system, charging system voltage circuit components of each system, resistance, signal detection project training.
- Automobile electric each component system schematic analysis project training, etc