# AUTOMOTIVE ELECTRICAL LIGHTNING SYSTEM EV (LSXL-04)

## PRODUCT DESCRIPTION

The equipment adopts the Volkswagen passat B5 vehicle electrical physical as the foundation, fully display the car engine anti-theft system, instrument system, lighting system, wiper system, horn system, ignition system, electric window system, electric door lock, sound system, starting system and charging system of automotive electrical components of the system structure and working process. It is suitable for the teaching needs of vehicle electrical appliances theory and maintenance training in middle and higher vocational and technical colleges, general education colleges and training institutions.

## PRODUCT FUNCTION

1. The real and operational vehicle electrical system fully displays the component structure of the vehicle electrical system.
2. Turn on the power supply, control the teaching board of various electrical switch, button, real demonstration car engine anti-theft system, instrument system, lighting

system, wiper system, horn system, ignition system, electric Windows, system, electric door lock, sound system, starting system and charging system and other automotive electrical work process of the system.

3. The panel adopts 4mm thick advanced aluminium plastic board with corrosion resistance, impact resistance, pollution resistance, fire prevention and moisture proof, spraying primer with special process; the panel is printed with colour circuit diagram; the students can understand and analyze the working principle of automobile electric system against the circuit diagram and physical object.
4. A detection terminal is installed on the teaching board panel, which can directly detect the electrical signals of the circuit components of each system of the vehicle electrical appliances, such as resistance, voltage, current, frequency signal, etc.
5. A diagnostic seat is installed on the teaching board panel, which can connect the dedicated or general automobile decoder, ECU coding query for engine control unit, instrument combination, comfort system unit, read the fault code, clear fault code, read data flow, execution element test, parameter setting, waveform analysis, key and matching self-diagnosis functions.
6. The teaching board panel is made of 1.5mm thick mould, with beautiful shape; the bottom frame part is welded by steel structure, and the surface is treated by spraying process, with self-locking caster device.

The teaching board adopts ordinary 220V AC power supply, which is converted into 12V DC power supply through internal circuit transformer and rectification, without battery and reduces the trouble of charging. 12V DC power supply has anti-short circuit prevention function. Equipped with an intelligent fault setting and assessment system .

The intelligent evaluation terminal can be used for fault generation and autonomous learning evaluation test function.

**SPECIFICATION**

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| Product size | 1600×700×1700mm(L*W*H) |
| Power | AC 220V±10% 50Hz |
| Work voltage | DC 12V |
| work temperature | -40℃～+50℃ |

**SYSTEM COMPONENTS**

| Sr. No. | Component | Qty |
|---|---|---|
| **1** | Detection control panel | **1** |
| **2** | Ignition switch | **1** |
| **3** | Combination switch | **1** |
| **4** | left and right fog light | **1** |
| **5** | Left and right turn signal | **1** |
| **6** | left and right small light | **1** |
| **7** | left and right combination tail light | **1** |
| **8** | License plate light | **1** |
| **9** | Light switch | **1** |
| **10** | Danger switch | **1** |
| **11** | Reverse light switch | **1** |
| **12** | Brake light switch | **1** |
| **13** | Intelligent fault setting and assessment system | **1** |
| **14** | Mobile platform (with self-locked caster installation device) | **1** |