

**Product Name :**

Electronical Controlled Engine Training Set for Passat

**Product Code :**

CIVIL-ECE-132-0001

**Description :**

Electronical Controlled Engine Training Set for Passat

**Technical Specification :****Introduction to the Electronical Controlled Engine Training Set**

The training set uses a Passat B5 (1.8T) electronically controlled engine assembly, with complete accessories in order to complete various training content of engine loads. It satisfies the requirements for teaching and training projects on the electronically controlled engine

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structure, working principle, fault diagnosis, fault setting and exclusion assessment.

### **Basic Configuration of the Electronical Controlled Engine Training Set**

Engine assembly

Engine control unit

Engine circuit plug

Combination instrument

Training panel

Diagnostic block

Tank assembly

Up and down pipe

Kettle

Thermostat switch

Cooling fan assembly and bracket

Pressure gauge

Vacuum gauge

Ignition switch

Battery

Starter

Generator

Fuel pump assembly

Fuel filter

Air filter

Ignition key with a chip

Intake and exhaust manifolds

Catalytic assembly

Oil tank

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Movable bench and mobile casters

General power switch

Relay and fuse box

Instruction manual

User training guide

### **Features of the Electronical Controlled Engine Training Set for Passat B5 1.8T**

1. Demonstrate the engine work, smooth operation, and accurate reflection of an EFI gasoline engine structure and working principle
2. Demonstrate engine oil pressure, vacuum pressure, oil pressure and normal operating pressure
3. Equipped with a digit display meter to display the related sensor working static values and dynamic values.
4. The training sets are equipped with electronic engine control system schematics and detection terminals, as well as a variety of professional instruments to detect the signal parameters of sensors, actuators and other components, including voltage, resistance, and frequency.
5. The diagnostic blocks can be connected to dedicated or general-auto decoders in order to complete reading fault codes of engine electronic control systems, clearing fault codes, reading data streams, matching adjustment, programming, testing, testing terminal components and engine diagnostic functions
6. Fault setting and assessment system (please refer to the detailed function introduction of fault setting and assessment)
7. Rotating positions of training sets are equipped with safety shields to keep safe.
8. Training sets are equipped with gasoline extinguishers and short circuit self-protection devices
9. With locking casters for mobile devices, the engines are easy to move for teaching

### **Training Content**

1. Engine structure and composition training
2. Engine component setup position training
3. Engine sensor voltage, resistance, and signal testing training
4. Engine fuel pressure, vacuum pressure, oil pressure training

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5. Engine schematics analysis training

6. Engine control unit fault code reading? fault code elimination, data flow reading, anti-theft matching adjustment, programming, terminal component testing training

7. Engine troubleshooting and confirm training

8. Engine fault setting and exclusion training

9. Engine practical operation and theoretical exam training

### **Technical Parameters of the Electronical Controlled Engine Training Set**

Engine Model: Volkswagen AWL

Engine Location: Front

Engine type: L

Aspiration: Turbocharged

Number of cylinders: 4

Displacement: 1.781L

Emission standard: Euro 2

Fuel type: Above No.90 unleaded gasoline

Compression ratio: 9.3: 1

Maximum torque: 210 / 1750-4600N.m

Maximum speed: 5700rpm

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## **Civil Mechanical India**

**Website:** [www.civilmechanicalindia.com](http://www.civilmechanicalindia.com), **Email:** [export@civilmechanicalindia.com](mailto:export@civilmechanicalindia.com)

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, +91-0171-2601773