

❖ IMAGE**❖ INTRODUCTION**

- Electronic steering system for training is research product of DTDAuto Vietnam.
- Equipment includes an EPS instrument model, software on computer, a synchronously coupled electronic block to form a standard, modern & professional teaching set.
- Equipment is manufactured on the basis of original materials of KIA (KOREA)
- This equipment is designed specially as teaching aids and learning tools for universities and technical training where trainees are taught both theory and practice of electronic steering power systems (ESP).

❖ MAIN FUNCTION & APPLICATIONS

- Used as teaching and learning tools for technical research and training for universities and vocational training centers.
- Students understand the basic components of the EPS system
- Understand the advantages and disadvantages of electronic steering system and steering system that use other technologies as: hydraulic (oil), hydraulic power vv...
- Understand the structure, principle and operating principle of electronic steering system
- Understand the circuit diagram of the system and the actual installation location of components on the vehicle
- Learn how to diagnose errors and fix them

❖ SPECIFICATION

- Equipment is mounted on the frame with movable wheels, full of equipment of EPS system such as power steering control ECU, sensors, actuators, ignition switch, power steering system... operation and running as same on the cars
- Equipment has DLC3 port which used to connect to diagnostic tool for reading read

information and diagnosing fault

- Using training theory, principles, structure, practice, practice skills and diagnose, find pan, handle, fault repair by traditional methods and by computer and intelligent fault diagnostic tool.
- Using the electric motor actuator to generate power steering controlled by the ECU to operate the steering.
- Knob emulator adjustable vehicle speed signal to simulate the operation of the electronics steering power system
- Support principle circuit diagram on the equipment model to help students understand and analyze the operating principle of the system.
- Software system and equipment coupled with computer training support, read/clear engine faults, reset ECU, view live data and create PAN automatically

❖ COMPONENTS

1. Control panel
2. ECU control steering power
3. Ignition switch
4. Power steering motor
5. Steering force sensor and vehicle speed sensor
6. Steering systems, steering columns and steered wheel
7. Wheel System
8. Knob simulate speed signal
9. Knob simulate engine speed signal
10. Switch simulate Idle signal
11. Pan box used to create fault
12. Frame and bracket
13. Battery 12V/ 35A
14. Fire extinguisher
15. Copyright CD Software with License key and equipment paired
16. User guide

❖ OTHER SPECIFICATIONS

1. Voltage: 220VAC/50Hz and 12VDC/35A
2. Weight approx: 300 kg
3. Dimension approx: (1700H x 1200D x 1800W) mm
4. Indoor activities

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