



AUTOMATIC AIR SUSPENSION TRAINING BENCH



DL DM94

LEARNING EXPERIENCE

This demonstration bench is based on a Toyota Lexus LS400 air suspension system.

The device applies to theoretical teaching and maintenance training of the automobile suspension system for secondary vocational skill schools.

GENERAL CHARACTERISTICS

- Dim. mm (HxLxW) : 1800x1600x1000
- Weight approx. 200 kg
- Input power supply: A.C. 220V \pm 10% 50Hz
- Operating voltage: 12V DC

ACCESSORIES

Suggested instruments for best practice:

- Digital Multimeter (not included)
- OBD Fault diagnosis Scanner(not included)

MAIN CHARACTERISTICS

This didactic bench can demonstrate the operation of air suspension system. By operating the vehicle body height-control switch or adjusting the suspension height, it is possible to manage the air suspension ECU compressor so that the height control solenoid valve and shock absorber hardness controller can work. In this way, it can be adjusted the air suspension height and the shock absorber hardness.

Main component:

- Detection control panel (with various detection terminals)
- Air suspension ECU
- Diagnosis socket
- Compressor
- Height solenoid valve
- Height solenoid valve
- Height control relay
- Height control switch
- Left and right front suspension control actuators
- Left and right front control sensors
- Left and right rear suspension control actuators



- Left and right rear control sensors
- Digital frequency meter
- Various simulated switches and signaling devices
- Lifting jacks
- Steel rulers for height measurement
- Intelligent fault-setting and appraisal system
- Moveable framework

OTHER CHARACTERISTICS

- a) The trainer is made of advanced aluminum-plastic plate with characteristics of not less than 4mm thick. The plate is corrosion resistant, impact resistant, pollution resistant, fireproof, and moisture proof. The panel surface is processed by special craft and spraying primer. The circuit diagrams are painted with never fade colour and the boards are coated with varnish. The trainees can learn and analyze the working principle of the control system by looking and analysing the diagram and the real-life components.
- b) The training bench has installed a fault indicator lamp and a diagnosis socket, which automatically diagnoses the system by blinking fault codes.
- c) The training base frame is made of steel and the surface is paint-coated. Pivoting wheels are mounted.
- d) Equipped with intelligent fault setting system, include fault setting and troubleshooting.