

Braking System

■ Introduction

- The training platform based on Passat B5 ABS/ASR/ESP braking system, with complete accessories, all parts are original parts, production quality management according to requirement of ISO9001: 2008 standards. Motor drive can complete shifting gear and testing which to truly response the working process of ABS/ASR/ESP braking system. Suitable for ABS brake system construction, working principle, setting fault and troubleshooting of middle and advanced vocational and technical schools and training institutions.



Note :

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

■ DLQC-DPZD004 ABS / ASR / ESP System Integrated Training Workbench

■ Feature

- Based on original ABS/ASR/ESP braking system, working properly, shows the structure and working principle of ABS/ASR/ESP braking system
- complete vacuum brake booster experiment, large surface adhesion coefficient ABS braking experiment, small surface friction coefficient ABS braking experiment, asymmetric road ABS brake experiments, different adhesion coefficient road ASR work process experiments, oversteer ESP work processes experiments, less-steer ESP work processes experiments, ABS, ASR, EBD three controls priority principle experiment.
- Motor with inverter control, speed adjustment can be achieved
- The training sets are equipped with complete colored schematics and detection terminal of ABS/ASR/ESP braking system, various signal parameters of the sensors, solenoid valves can be detected by special instruments. For example, voltage, resistance, frequency, etc;
- Multi-plate clutch connected to the brake disc and the motor output shaft, to complete wheel brake differential
- LED digital meter can show the brake master cylinder and the brake cylinder pressure changes in real time
- Fault setting and assessment system (see fault setting and assessment function description) ;.
- Training sets rotational positions are equipped with safety shields to avoid security risk

■ Basic Configuration

- vacuum booster pump assembly and angle sensors, ABS/ASR/ESP control unit, wheel speed sensors, pressure gauges, training panel, diagnostic seat, brake master cylinder, brake wheel cylinders, brake discs, brake pedal, three asynchronous motor, inverter, leakage protector and mobile workbench, ignition switch, ignition key, power switch, relay and fuse box, DC12V power supply, manual, training guide book and other components

■ Training Content

- Structure composition and adjustment principle training of ABS/ASR/ESP brake system
- Different roads, different loads, different steering characteristics training of ABS/ASR/ESP brake system
- ABS/ASR/ESP brake system diagram analysis training;
- Troubleshooting and confirmation training of ABS/ASR/ESP brake system
- Fault phenomenon and analysis training of ABS/ASR/ESP brake system
- Practical and theory test identification of ABS/ASR/ESP brake system