

Product Name :
Engine Control System

Product Code :
TK185



Description :

Engine Control System

Technical Specification :

This demonstration panel represents direct petrol injection (FSI) system. Integrated engine control system shows different operation modes of the fuel injection/ignition system and the trainer is based on OEM components of Audi. Main Characteristics: The main characteristics and functions of the trainer are: Integrated engine control system with direct petrol Injection (FSI). Visible work process of spark plugs. Easy access for high voltage measurements. Manual adjustment of the engine crankshaft speed. Monitoring operation of fuel supply system, injected fuel quantity, spray pattern quality, fuel pressure of the fuel pump. Low pressure fuel pump in a transparent tank which allows to see its operation. Complete electric wiring diagram of direct petrol injection system (FSI) Electric wiring diagram with built-in banana plug jumpers for measurements and simulation of system fault codes. Integrated simulators allow to change parameters of each system component: Lambda probe signal simulation Engine operation temperature simulation NOx sensor parameter simulation Exhaust gas temperature sensor simulation Intake manifold pressure sensor simulation Intake manifold flap regulation (vacuum pump is required; included). Training board has an integrated TFT voltmeter. It displays voltage of different electronic system components: Exhaust gas recirculation potentiometer; Air-mass flow meter; Accelerator pedal position sender I; Accelerator pedal position sender II; Intake manifold flap potentiometer; Fuel pressure sensor; Throttle valve potentiometer I; Throttle valve potentiometer II; Intake manifold pressure sensor; Engine operation temperature sensor; Coolant temperature sensor; Exhaust gas temperature sensor; General Characteristics: Dim. mm (Height x Length x Width): 1800x1000x510 Weight kg 150 Power supply: AC 220V±10% 50/60 Hz.

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