

## OBD11 Engine ECU Basic settings

- Automatic test sequence
- Tank ventilation valve check
- Test of camshaft adjustment exhaust
- Test of oxygen sensor heater after catalytic converter
- Test of oxygen sensor control
- Test of throttle valve adaptation
- Test of pressure level change-over for oil pump
- Test of camshaft synchronization
- Service position
- Pressure release in rail
- Test of brake booster pump
- Transmission neutral position sensor adaptation
- Intake manifold pressure calibration
- Test of heated O2 sensor 1 bank 1
- Warming up phase 1
- Warming up phase 2
- Engine shut-down
- Test, charge pressure actuator
- Drain fuel tank
- First adaptation of charge pressure actuator
- Automatic test sequence 1
- Automatic test sequence 2
- Adaptation of radiator shutters
- Cylinder shut-off test
- Reset crankshaft pulse-gen. wheel adapt. values
- Reset adaptation values injector
- Test – bleed cooling unit
- Resetting the cylinder-specific pre-ignition counter
- Engine speed increase, parametrizable
- Check of oxygen sensors and cat. Converter
- Component test of disassembled turbo charger actuator
- Particle filter service regeneration when driving
- Stationary particle filter service regeneration
- Catalytic converter test and heated oxygen sensor test
- Engine diagnostic using simulation interface
- High pressure fuel injector test
- System test of fuel supply Version 2
- Resetting of adaptation values, throttle body cross-sectional area
- Sensor adaptation, erasing fine adaptation values
- Sensor adaptation, erasing adaptation values
- Resetting of CAN communication monitoring
- Initial fuel filling

## OBD11 Engine ECU Adaptation

- Protective function
- Production mode
- Deactivate production mode
- Roller test bench mode,functional
- Individually adjustable maximum speed limit
- Activation of Start-Stop function
- Adaptation of correction angle position detection bank 1 outlet
- Adaptation of correction angle position detection bank 1 intake
- Adaptation of cyl. Individual correction angle camshaft bank 1
- Adaptation of correction angle of crankshaft position detection
- Adaptation of ash mass

## OBD11 Engine ECU Output tests

- Fuel pump electronics
- Intake camshaft adjustment, bank 1
- Exhaust camshaft adjustment, bank 1
- Fan 1 control circuit
- Evaporative emission (EVAP) Canister Purge Regulator Valve
- Quantity control valve
- Exhaust bypass valve
- Engine temperature management actuator
- Pumpe 2 Kuhlmittel
- Activation radiator shutter