

Component check sequence

- Air filter - restriction
- Intake system - restriction/air leak
- Engine mechanical condition
- Fuel level in tank low
- Condition of fuel/fuel filter/fuel pipes
- Access diagnostic trouble codes
- Accelerator pedal position (APP) sensor
- Injectors
- Mass air flow (MAF) sensor - if fitted
- Turbocharger (TC) boost pressure sensor - if fitted
- Turbocharger (TC) bypass valve - if fitted
- Turbocharger (TC) wastegate regulating valve - if fitted
- Turbocharger (TC) wastegate
- Manifold absolute pressure (MAP) sensor - if fitted
- Exhaust gas recirculation (EGR) solenoid
- Exhaust gas recirculation (EGR) throttle control valve - if fitted
- Exhaust gas recirculation (EGR) valve - mechanical
- Exhaust gas recirculation (EGR) valve position sensor - if fitted
- Fuel lift pump
- Fuel pressure sensor - if fitted
- Fuel rail pressure (FRP) sensor - if fitted
- Fuel pressure control solenoid
- High pressure fuel pump
- Brake pedal position (BPP) switch - if fitted
- Cruise control brake pedal switch - if fitted
- Engine coolant temperature (ECT) sensor
- Intake manifold air control actuator - if fitted
- Intake manifold air control solenoid - if fitted
- Fuel temperature sensor - if fitted
- Fuel temperature switch - if fitted
- Barometric pressure (BARO) sensor
- Camshaft position (CMP) sensor
- Crankshaft position (CKP) sensor
- Exhaust system/catalytic converter - restriction
- Engine management system - connections/wiring
- Engine control module (ECM) programming
- Engine control module (ECM)