

Schematic Diagram

1. Manifold Absolute Pressure Sensor (MAPS)
2. Intake Air Temperature Sensor (IATS)
3. ETC (Electronic Throttle Control) System
4. Engine Coolant Temperature Sensor (ECTS)
5. Crankshaft Position Sensor (CKPS)
6. Camshaft Position Sensor (CMPS) [Bank1/Intake]
7. Camshaft Position Sensor (CMPS) [Bank1/Exhaust]
8. Knock Sensor (KS)
9. Heated Oxygen Sensor (HO2S) [Bank1/Sensor1]
10. Heated Oxygen Sensor (HO2S) [Bank1/Sensor2]
11. Rail Pressure Sensor (RPS)
12. Fuel Level sender (FLS)
13. CVVT Oil Temperature Sensor (OTS)
14. Boost Pressure Sensor (BPS)
- Accelerator Position Sensor (APS)
- A/C Pressure Transducer (APT)
- Ignition Switch Signal
- Battery Power Signal
- Vehicle Speed Signal
- Inhibitor Switch Signal
- Brake Switch Signal



- A. Injector
- B. Ignition Coil
- C. ETC Motor [Integrated into ETC Module]
- D. Purge Control Solenoid Valve (PCSV)
- E. Variable Force Solenoid Valve (VFS) [Bank1/Intake]
- F. Variable Force Solenoid Valve (VFS) [Bank1/Exhaust]
- G. Fuel Pressure Regulator Valve
- H. Electric Waste Gate Actuator (EWGA)
- I. RCV Control Solenoid Valve
- Main Relay
- Fuel Pump Relay
- A/C Control
- Self Diagnosis

