powerCONTROL technologies

ECU Type: 967

Ignition System

Engines having up to four cylinders, equipped with ignition distributor or without distributor

Fuel Injection System

Engines up to four cylinders, grouped injection, engines not equipped with ignition distributor

Ignition Output

ECUs have built-in amplifiers for direct ignition coil drive. Coil-on-plug and redundant spark capabilities

Control Strategies

Main Maps

Fuel Injection and Ignition Timing are controlled from base maps of Engine Speed (64 programmable map sites) and Engine Load (16 programmable map sites). Throttle Angle or Manifold Pressure (MAP)

Compensation Maps

Compensations are applied to fuel injection duration and ignition timing via Engine Temperature, Intake Air Temperature, Barometric Pressure and Battery Voltage

Data Security

All maps and data are programmable by the user. Security coded access to mapping data

On-Board Diagnostics

On-board diagnostics, fault-code memory and fault indication

Inputs

- Engine Speed and Position
- Throttle Position (TPS)
- Manifold Pressure (optional)
- Barometric Pressure
- Engine Temperature
- Air Temperature
- Battery Voltage
- Lambda Sensor
- Fuel Pressure (optional)
- Oil Pressure (optional)
- Oil Temperature (optional)
- Launch Control Switch
- Powershift Switch

Outputs

- Up to six Fuel Injectors
- Two Direct High Energy Ignition
- Tachometer
- Fault Diagnostic Lamp
- Fuel Pump Relay
- Two programmable outputs
- High Speed Data Logger interface

Software Strategies

- Banked Fuel Injection
- Programmable Dwell Control
- Multiple Crank Trigger Wheels
- Acceleration Fuel
- Overrun fuel cut-off
- Closed Loop Lambda
- Fuel Pump Relay
- Gearshift Light
- Radiator Fan Control
- Power On Gearshift facility
- Launch Control
- Diagnostic Fault Lamp
- Engine Data Logging
- Traction Control

Windows 95/98 Mapping

- Windows 98 mapping interface
- Graphical Map editing
- Incremental Keyboard Mapping
- Infinitely Adjustable Potentiometer Mapping

Physical Data

ECU - General

- Envelope: 145 X 90 X 32 mm (5.7 X 3.5 X 1.3 in)
- Mass: 190g (0.4 lb)
- Operating: -40C to +85C (-40F to 185F)
- Supply voltage: 6.5V to 23V

Case

Black, glass-filled nylon, extremely lightweight

Mounting

Twin Velcro strips provided

Connector

Sealed 36 pin connector, integral lock

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