MDS Diagnostics

DG TECHNOLOGIES
Vehicle Network Solutions

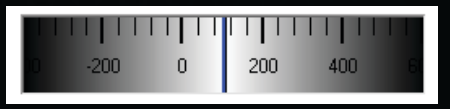
A military software application designed specifically to support preventative maintenance and diagnostic activities on Mine Resistant Ambush Protection (MRAP) vehicles.

MRAP Variants Supported: **Caiman • MaxxPro**

Provides access to the vehicle network to manage diagnostic activities and preventative maintenance measures required during routine check ups.

Signal Gauge

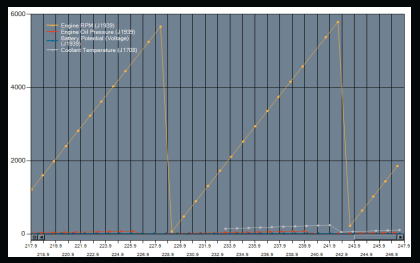
Analog or Digital Signal Slide Scale



Benefits

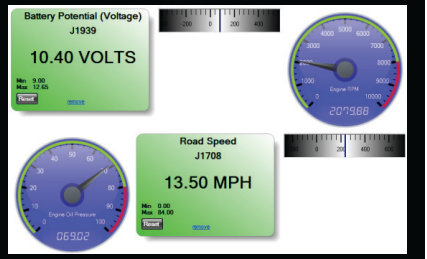
- User friendly interface
  - Graphing
  - Analog or digital Signal Slide Scale
  - Gauging
  - Detail Display
- Diagnostic displays can be used on any available signal in any combination to display parameter information
- Gauge screen can be configured by the technician to meet diagnostic session needs

Parameter Graphing Chart



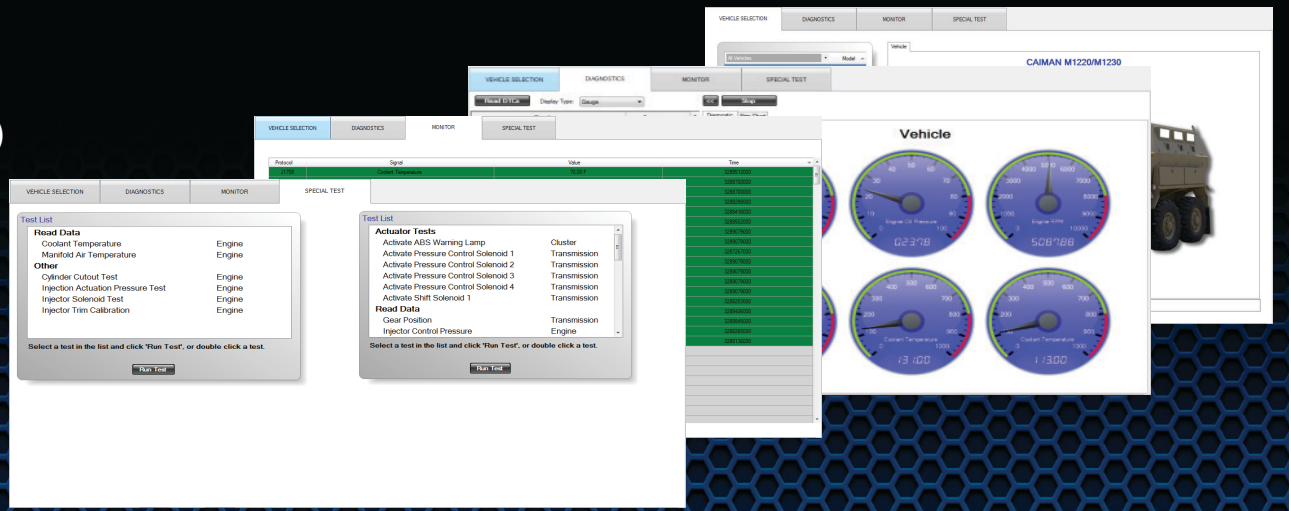
Signal Detail Panel

Gauge Configuration Screen



Functions

- Display and clear Diagnostics Trouble Codes (DTCs)
- Monitor dynamic vehicle parameters
- Display vehicle component information
- Cylinder cutout testing
- Injector buzz testing
- Injector pressure testing
- Solenoid activation
- Cluster control and component activation



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Features

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Bi-directional controls for the following OEM components: • Caterpillar • Navistar • Allison

Caterpillar
(C-7 & C-9 engines)

- Cylinder Cut-out Test
- Injector Actuation Pressure Test
- Injector Solenoid Test
- Injector Trim Calibration Test
- Manifold Air Temperature Test
- Coolant Temperature

Allison Transmission

- Activate Pressure Control Solenoids (1 – 4)
- Activate Shift Solenoid
- Gear Position

International
Engine (Read Data)

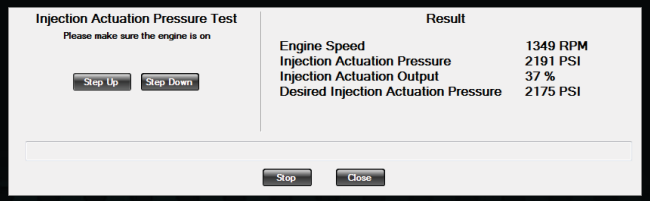
- Injector Control Pressure
- Intake Air Temperature Signal Voltage
- Intake Manifold Boost Pressure
- Manifold Absolute Pressure Signal Voltage
- Injector Balance Test
- Injector Test

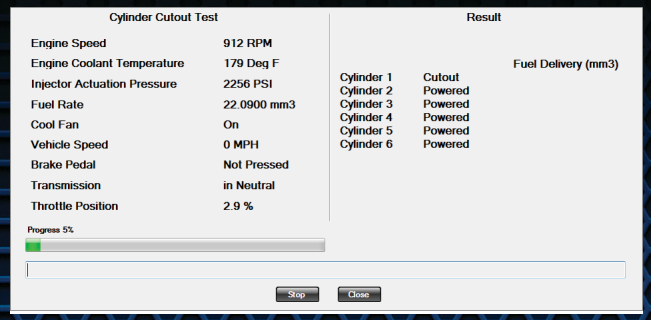
Cluster (Set Gauges)

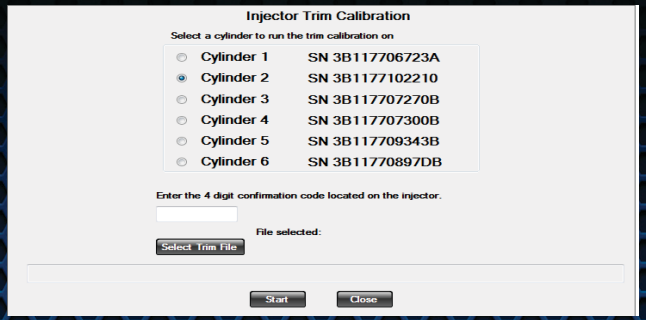
- Activate 12V gauge
- Activate Engine Coolant Temperature Gauge
- Activate Engine Oil Pressure Gauge
- Activate Fuel Level Gauge
- Activate Primary Air Pressure Gauge
- Activate Secondary Air Pressure Gauge
- Active Speedometer
- Activate Tachometer

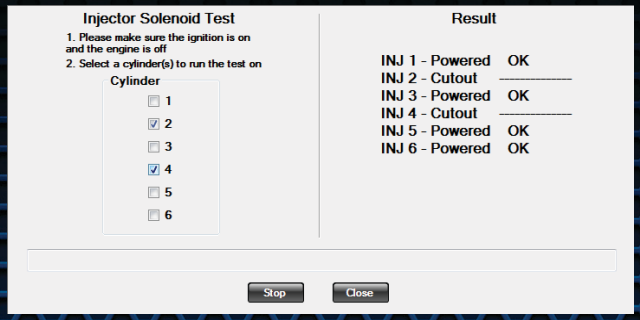
International
(Status) Controller

- Brake Switch Input
- Cruiser Control Switch Input
- Heated Mirror Input
- Heated Rocker Switch Input
- High Beam Input
- Horn Switch Input
- Service Lamps Input
- Washer Switch Input
- Wiper Switch Input









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