Innova 5410

Innova 5410 All-System OBD2 Scanner Diagnostic Tool User Manual

Model: 5410

INTRODUCTION

The Innova 5410 All-System OBD2 Scanner is a comprehensive diagnostic tool designed for both DIY enthusiasts and professional mechanics. This device reads and clears codes from various vehicle systems, including the engine, Anti-lock Braking System (ABS), Supplemental Restraint System (SRS), and transmission. It offers real-time data viewing, battery/alternator testing, and integration with the RepairSolutions2 app for verified fixes and maintenance insights.

Image: The Innova 5410 OBD2 Scanner, a handheld device with a screen showing the 'All Module Scan' menu, indicating various systems like Engine, ABS/VSC/TRAC, Air Conditioner, and Back Door.

Video: An overview of the Innova 5410 OBD2 Scanner's features and capabilities.

SETUP

1. **Connect the Scanner:** Locate your vehicle's OBD2 port, typically found under the dashboard on the driver's side. Plug the scanner's OBD2 connector firmly into the vehicle's port.

2. **Turn on Ignition:** Turn your vehicle's ignition to the 'ON' position without starting the engine. The scanner will power on automatically.

3. **Automatic Linking:** The scanner will automatically link to your vehicle's system. A progress bar will indicate the linking status.

Video: A step-by-step guide on getting started with the CarScan Diagnostics 5410, including connecting the device and initial setup.

OPERATING INSTRUCTIONS

1. Performing a Scan

Once linked, the scanner will display the System Menu. You can choose from various scanning options:

- **Global OBD2:** Scans for generic powertrain codes.

- **ABS:** Scans the Anti-lock Braking System.

- **SRS:** Scans the Supplemental Restraint System (airbags).

- **TPMS:** Scans the Tire Pressure Monitoring System.

- **OEM Enhanced:** Scans manufacturer-specific systems (e.g., Volkswagen OEM Enhanced).

- **All Module Scan:** Performs a comprehensive scan of all available modules in the vehicle.

Use the arrow buttons to navigate and the 'OK' button to select your desired scan type. The scanner will display any detected Diagnostic Trouble Codes (DTCs).

Image: The Innova 5410 scanner showing a list of powerful diagnostic features, including ABS Brake Codes, SRS Airbag Codes, All 10 OBD Modes, Live Data, and Battery Test.

Video: A demonstration of the CarScan Diagnostics 5410 in action, showing how to navigate menus and perform various scans.

2. Viewing Live Data

The Live Data function allows you to view real-time sensor data from your vehicle. This is crucial for diagnosing intermittent issues or monitoring performance. To access:

1. From the System Menu, select **Live Data**.

2. Start your vehicle's engine.

3. The scanner will display various parameters such as Engine RPM, Fuel System Status, Engine Coolant Temperature (ECT), Short Term Fuel Trim (STFT), Long Term Fuel Trim (LTFT), Manifold Absolute Pressure

(MAP), Vehicle Speed, and more.

4. You can select specific parameters to graph their values over time for visual analysis.

3. Erasing Diagnostic Trouble Codes (DTCs)

After addressing a vehicle issue, you can clear the stored DTCs. This will turn off the Check Engine Light (CEL) and reset I/M Monitors.

1. From the System Menu or after viewing codes, press the **ERASE** button.

2. Confirm your selection to erase all Global OBD2 DTCs.

3. The scanner will confirm successful erasure and then re-link to the vehicle.

4. Special Functions (Service Reset)

The Innova 5410 offers several service reset functions, which can be accessed via the **Menu** button and selecting **Service Reset**:

- **Oil Reset:** Resets the oil service light after an oil change.
- **Battery Reset:** Resets the battery management system after battery replacement.
- **Steering Angle Sensor Calibration:** Calibrates the steering angle sensor.
- **EPB Reset:** Retracts and releases the electronic parking brake calipers for pad replacement.
- **ABS Bleeding:** Performs automated bleeding procedures for the Anti-lock Braking System.

## MAINTENANCE

Firmware Updates

The Innova 5410 receives free firmware updates annually, ensuring compatibility with newer vehicles and updated diagnostic protocols. These updates are typically managed through the RepairSolutions2 app or by connecting the device to a computer.

RepairSolutions2 App Integration

The scanner is optimized for use with the free RepairSolutions2 app (available on iOS and Android). This app provides:

- **Verified Fixes:** Access to a database of verified fixes for DTCs.
- **Maintenance Items:** Information on scheduled maintenance based on your vehicle's mileage.
- **Predicted Repairs:** Insights into potential future issues.
- **TSB & Recalls:** Technical Service Bulletins and recall information.
- **Vehicle History Report:** Detailed reports on your vehicle's history.
- **Enhanced VIN Decode:** Detailed vehicle specifications.
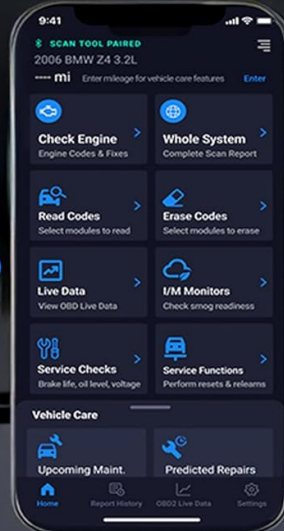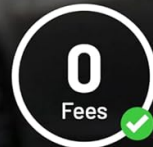
Image: The Innova 5410 scanner connected via Bluetooth to a smartphone running the RepairSolutions2 app, showing options for check engine, whole system scan, read codes, erase codes, live data, and service functions.

TROUBLESHOOTING

Vehicle Compatibility

The Innova 5410 is compatible with most cars, trucks, and SUVs manufactured in 1996 and newer. However, specific features and system coverage may vary by make, model, and year. It is recommended to utilize Innova's Coverage Checker tool (available online) to confirm compatibility for your specific vehicle before use.

WORKS WITH MOST VEHICLES (1996 – 2024)

GM	Such as Chevrolet, GMC, Cadillac, and Buick
Ford	Such as Ford, Mercury, and Lincoln
FCA	Such as Chrysler, Jeep, Ram, Dodge, Fiat, and Plymouth (only up to 2017; 2018 and newer vehicles require AutoAuth access which will restrict some features)
Nissan	Such as Nissan and Infiniti
Mazda	Most Mazda Vehicles
Subaru	Most Subaru Vehicles
Mitsubishi	Most Mitsubishi Vehicles
BMW	Most BMW Vehicles
Volkswagen	Such as Volkswagen, Audi, and more
Honda	Such as Honda and Acura
Hyundai	Most Hyundai Vehicles
Mercedes	Most Mercedes Vehicles
Kia	Most Kia Vehicles
Toyota	Such as Toyota, Lexus, and Scion

*Compatibility Disclaimer: While we support most vehicle makes and models 1996 – 2023, not all features may be available on all vehicles. Older vehicles lack the necessary computers to support the advanced features we offer. If you'd like to know whether your vehicle supports the features we offer, we encourage you to utilize Innova's Coverage Checker. We're actively working on providing 2024 coverage. Only works in the United States and Canada. FCA vehicles (2018 & newer) require AutoAuth access, which we do not support.

Image: The Innova 5410 scanner showing a list of supported vehicle manufacturers and models, indicating broad compatibility for vehicles from 1996 to 2024.

Video: Instructions on how to check vehicle compatibility with Innova OBD2 Scanners, emphasizing the importance of verifying coverage for specific makes and models.

Common Issues

- **Scanner Not Linking:** Ensure the OBD2 connector is firmly seated in the vehicle's port. Verify the vehicle's ignition is in the 'ON' position. Check the scanner's cable for any damage.
- **No Codes Found (but CEL is on):** This might indicate a pending code that hasn't fully matured into a confirmed DTC. Drive the vehicle for a short period and re-scan.
- **App Connectivity Issues:** Ensure Bluetooth is enabled on your mobile device and the scanner. Follow the pairing instructions in the RepairSolutions2 app.

SPECIFICATIONS

- **Item Model Number:** 5410
- **Item Weight:** 1.06 pounds
- **Product Dimensions:** 6 x 3.3 x 1 inches
- **Power Source:** Vehicle Powered
- **Screen Size:** 2.8 Inches

- **Operating System:** iOS and Android (via RepairSolutions2 app)
- **Date First Available:** October 25, 2019

WARRANTY AND SUPPORT

Innova provides support for its products. For detailed warranty information and technical assistance, please refer to the official Innova website or contact their customer service. The RepairSolutions2 app also offers direct access to verified fixes and support resources.