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Tucool Racing KDIAG

Tucool Racing KDIAG OBD2 Scanner Diagnostic Tool User Manual

Model: KDIAG

1. INTRODUCTION

The Tucool Racing KDIAG OBD2 Scanner Diagnostic Tool is a versatile device designed for comprehensive vehicle diagnostics. It connects wirelessly to your iOS or Android device via Bluetooth 5.2, providing access to full system diagnostics and 11 enhanced OBDII function modes for most 1996 and newer US, European, and Asian vehicles. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal use of your KDIAG device.

2. WHAT'S IN THE BOX

- 1 x TUCOOL RACING KDIAG TOOL
- 1 x TUCOOL RACING KDIAG BAG
- 1 x TUCOOL RACING KDIAG Colorful Box
- 1 x TUCOOL RACING KDIAG User Manual
- 1 x Free TUCOOL RACING KDIAG App for Android and iOS Via Bluetooth
- 1 x Lifetime Technology Supporting

3. SETUP

3.1. App Download and Installation

The KDIAG device operates via a dedicated mobile application. Download the "KDIAG" app from your device's respective app store:

- For iOS devices: Search for "KDIAG" in the Apple App Store.
- For Android devices: Search for "KDIAG" in Google Play.

No complicated steps or user registration are required. The app offers lifetime free upgrades.

KDIAG NEW ARRIVAL

- CAR OBD II DIAGNOSTIC SCANNER FOR UNIVERSAL CARS
- CAR FULL SYSTEM SCANNER



Mobile App: Download " KDIAG " App
On App Store & Google Play

Available on the
App Store

Get it on
Google play



Image: KDIAG app available on Apple App Store and Google Play.

3.2. Device Connection

To connect the KDIAG device to your vehicle and mobile app:

1. Locate your vehicle's OBD2 port. This is typically found under the dashboard on the driver's side.
2. Plug the KDIAG device firmly into the OBD2 port. The device will power on automatically.
3. Ensure Bluetooth is enabled on your mobile device.
4. Open the KDIAG app. The app will automatically detect and connect to the KDIAG device via Bluetooth 5.2.



Image: KDIAG device connected to a smartphone running the diagnostic app.

Your browser does not support the video tag.

Video: This video demonstrates the connection process and initial setup of the Tucool Racing KDIAG OBDII Diagnostic Scanner with a mobile device.

4. OPERATING INSTRUCTIONS

4.1. Enhanced 11 OBDII Function Modes

The KDIAG app provides access to 11 standard OBDII functions:

- **Read & Clear Codes:** View and erase diagnostic trouble codes (DTCs) to turn off the Check Engine Light.
- **Live Data Stream:** Display real-time vehicle sensor data in text format, including engine RPM, vehicle speed, coolant temperature, and more.
- **I/M Readiness:** Check the status of emission-related systems to prepare for smog checks.
- **Freeze Frame:** View a snapshot of vehicle operating conditions at the moment a fault code was set.
- **O2 Sensor Test:** Retrieve O2 sensor monitoring test results.
- **On-Board Monitoring:** Access results of on-board diagnostic monitoring tests for specific components/systems.
- **EVAP System Test:** Initiate a test of the evaporative emission control system.
- **Vehicle Information:** Retrieve vehicle identification number (VIN), calibration ID (CID), and calibration verification numbers (CVN).
- **DTC Lookup:** Look up definitions of diagnostic trouble codes.



Image: KDIAG app interface displaying the 11 OBDII function modes.

4.2. Professional Full System Diagnosis

Beyond standard OBDII functions, the KDIAG offers professional-grade full system diagnostics. This allows access to information typically available only to mechanics, including reading and clearing codes for systems such as:

- Anti-lock Braking System (ABS)
- Airbag (SRS)
- Tire Pressure Monitoring System (TPMS)
- Engine Control Module (ECM)
- Transmission Control Module (TCM)
- Battery Management System (BMS)
- Electronic Parking Brake (EPB)
- Oil Reset
- Injector Coding
- Steering Angle Sensor (SAS)
- Suspension
- And many more vehicle-specific systems.

Note: Full system check covers most US car brands. Engineers are continuously developing support for more vehicle brands, which will be added with app upgrades.

KDIAG Full Function In Conclusion

Full System Diagnostic Scanner



For Rolls-Royce
For Benz
For Lexus
For Lamborghini
For Audi
For BMW
For Volkswagen
For MINI
For Maybach
For Bentley
For Bugatti
For Seat
For Skoda
For Honda
For Acura
For Infiniti
For GM
For Nissan
For Chevrolet
For Buick
For Cadillac
For Holden
For Hummer
For Ford
For GMC
For Pontiac
For Saturn
For Lincoln
For Mercury
For Toyota
For Mazda
For SUZUKI
For SUBARU
For MITSUBISHI and so on...

OBD detection



For Universal Car After 1996
With OBDII Protocol

- Read Codes
- Erase Codes
- I/M Readiness
- Data Stream
- Freeze Frame
- O2 Sensor Test
- On-Board Monitoring
- Evap System(Mode\$8)
- Vehicle Information
- DTC Lookup

Oil Light Service Reset



For Rolls-Royce
For Benz
For Lexus
For Lamborghini
For Audi
For BMW
For Volkswagen
For MINI
For Maybach
For Bentley
For Bugatti
For Seat
For Skoda
For Honda
For Acura
For Infiniti
For GM
For Nissan
For Chevrolet
For Buick
For Cadillac
For Holden
For Hummer
For Ford
For GMC
For Pontiac
For Saturn
For Lincoln
For Mercury
For Toyota
For Mazda
For SUZUKI
For SUBARU
For MITSUBISHI and so on...

Battery Match



- Battery matching
- Reset operation
- Main battery is replaced
- Battery monitoring sensor

Image: Overview of KDIAG's full system diagnostic capabilities.

4.3. Performance Test

The KDIAG device can monitor your car's health in real-time while driving, providing data for performance tests such as:

- 100 km/h acceleration time
- Top speed
- Engine load
- Battery voltage test
- Engine coolant temperature

5. MAINTENANCE

5.1. Lifetime Free App Upgrades

The KDIAG app offers lifetime free upgrades, ensuring the system and functions stay up-to-date with the latest advancements in vehicle diagnostics. This provides continuous access to comprehensive and capable diagnostic tools without additional charges.



Image: KDIAG app features, highlighting lifetime free updates.

6. TROUBLESHOOTING

6.1. Vehicle Compatibility Issues

While the KDIAG is widely compatible with most 1996 and newer US, European, and Asian vehicles supporting all OBD2 protocols, some specific models or regional protocols may not be supported. This can occur due to varying OBD2 protocol implementation times or special vehicle designs.

Known Incompatibilities:

- Not supported for Russian Cars VAZ, UAZ, LADA.
- Not compatible with trucks for Ssangyong Actyon (2009-2017), Korando 2.0 TD Diesel (2013-2017), Kyrion 2.0 Diesel (2010-2017), Rexton (2011-2017).
- Not supported for Opel Corsa C 2004 1.3 CDTI.
- Not supported for VW Golf 4 2002.
- Not supported for Citroen C4/C5.
- Not supported for Chevrolet cars.
- Not supported for Renault Logan/Megane, Clio 2/Megane/Dacia Logan.
- Not supported for Skoda Fabia, Skoda Octavia.

If you are unsure about your vehicle's fitment, please provide your car brand, model, and release year to customer support for verification.

Warning:

Not support for Russian Cars UAZ, LADA.

Not works with trucks for SsangYong Actyon from 2009 to 2017 years.

Not for Ssangyong Korando, 2.0 TD Diesel from 2013 to 2017 years.

Not for Ssangyong Kyron, 2.0 Diesel from 2010 to 2017 years.

Not for Ssangyong Rexton 2011 to 2017 years.

Not support for Opel Corsa c 2004 1.3 CDTI.

Not support for VW Golf 4 2002.

Not support for Citroen C4/C5.

Not support for Renault Clio 2.

Not support for Renault Logon.

Not support for Renault Megane.

Not support for Renault Dacia Logan.

Not support for Skoda Fabia.

Not support for Skoda OCTAVIA.

Even though it compatible with most cars, but different regions support the vehicle OBD2 protocol at different times, or some car is special design, so **it may not compatible with some cars which do not support OBD2 protocol. Especially Japanese and Korean car brand.**

Before place order please check compatibility first. If you're not sure the fitment, please send your car brand model and release year to us. For example (xx, 2005, 2.0cc, Diesel).

Special maintenance reset service support specified car models, not all models, and it is free for use. if your car model is not compatible, it is not quality problem, please understand, thanks.

Image: Detailed list of known vehicle incompatibilities.

6.2. Connection Issues

If the app fails to connect to the device:

- Ensure the KDIAG device is securely plugged into the OBD2 port.
- Verify that your vehicle's ignition is in the ON position (engine can be off).
- Check that Bluetooth is active on your mobile device.
- Close and restart the KDIAG app.
- Avoid pairing the KDIAG device directly from your phone's Bluetooth settings; the app handles the connection automatically.

7. SPECIFICATIONS

| Feature | Value |
|---------|---------------|
| Brand | Tucool Racing |
| Model | KDIAG |

| | |
|---------------------|---|
| Item Weight | 4.2 ounces |
| Product Dimensions | 2.8 x 1.9 x 0.95 inches |
| Power Source | Vehicle Battery (9-18V) |
| Operating System | OBD2, CAR FULL SYSTEM (ABS, AIRBAG, OIL, EFB, etc) |
| Connectivity | Bluetooth 5.2 |
| Supported Languages | 8 languages (English, German, French, Italian, Spanish, Russian, Polish, Chinese) |

8. COMPATIBILITY

The KDIAG OBD2 Scanner is compatible with most vehicles manufactured from 1996 onwards that support standard OBD2 protocols. This includes a wide range of US, European, and Asian car brands.

Supported Regions and Years:

- **American (USA) cars:** Compatible with Standard OBD2 Cars from 1996 to Now (e.g., Chrysler, Ford, GM, Jeep).
- **European cars:** Compatible with Standard OBD2 Cars from 2003 to Now (e.g., Alfa Romeo, SAAB, Acura, Opel, Audi, Seat, Bentley, Skoda, Daewoo, Benz, Daihatsu, Land Rover, BMW, Vauxhall, Volvo, VW, Ford, Jaguar). French cars after 2006 (e.g., Citroen, Fiat, Renault, Peugeot).
- **Asian cars:** Compatible with Standard OBD2 Cars from 2008 to Now (e.g., KIA, Isuzu, Honda, Mitsubishi, Hyundai, Dacia, Lexus, Mazda, Nissan, Subaru, Suzuki, Toyota).
- **Chinese cars:** Compatible with Standard OBD2 Cars from 2010 to Now (e.g., BYD, Chery, Geely, Great Wall, Karry).

For specific incompatibilities, please refer to the Troubleshooting section.

9. WARRANTY AND SUPPORT

The Tucool Racing KDIAG OBD2 Scanner comes with lifetime technology support. For any inquiries or assistance, please contact Tucool Racing customer service.