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keisnoaja EB001844-XGDX

keisnoaja OBD2 16Pin USB Diagnostic Cable KKL 409.1 Interface Adapter User Manual

Model: EB001844-XGDX

1. Introduction

This manual provides essential instructions for the proper installation, operation, and maintenance of your keisnoaja OBD2 16Pin USB Diagnostic Cable KKL 409.1 Interface Adapter. This device is designed to facilitate vehicle diagnostics for compatible VW, Audi, Skoda, and Seat models. Please read this manual thoroughly before use to ensure optimal performance and to prevent damage to the device or your vehicle.

2. Product Overview

The keisnoaja OBD2 16Pin USB Diagnostic Cable KKL 409.1 Interface Adapter is a diagnostic tool that connects your computer to your vehicle's On-Board Diagnostics (OBD-II) system. It enables communication with the Engine Control Unit (ECU) for reading fault codes, viewing live data, and performing various diagnostic functions using compatible software.

Key Components:

- **USB Connector:** Connects to your computer's USB port.
- **OBD-II 16-Pin Connector:** Connects to your vehicle's OBD-II diagnostic port.
- **Integrated Circuitry:** Facilitates communication between the computer and the vehicle's ECU.



Figure 2.1: Overview of the keisnoaja OBD2 16Pin USB Diagnostic Cable, displaying both the USB and OBD2 connectors.



Figure 2.2: Detailed view of the OBD2 16-pin connector, featuring the "KKL VAG-COM for 409.1 CE" label.

3. Specifications

Primary Function	USB Interface Cable for Vehicle Diagnostics
OBDII Plug	J1962 16-Pin Male (to Car)
USB Connector	Standard USB Type-A
Supported Communication	Terminal (K) bus communication, ISO9141 protocol
Operating System Compatibility	Windows 98SE / ME / 2000 / NT / XP
Protocols Supported	ISO/KWP (Key Word Protocol)
Ignition Signal	Terminal (L) ignition for waking up car computing system (ECU)
Color	Black
Model Number	EB001844-XGDX

4. Compatibility

This diagnostic cable is primarily designed for use with vehicles from the VW, Audi, Skoda, and Seat groups that utilize the ISO/KWP (Key Word Protocol) communication standard, typically launched after 1996.

Important Compatibility Notes:

- This cable **does not support** vehicles that use VPW, PWM, or CAN-bus protocols.
- The cable supports terminal (K) bus communication and ISO9141 protocol.
- It may work with some versions of Carsoft diagnostic software.
- Always refer to your car's user manual or consult with your car dealer or local mechanic to confirm protocol compatibility before use.

5. Setup Instructions

Follow these steps to set up your diagnostic cable:

1. **Install Drivers:**

   Insert the provided CD Drive into your computer's CD-ROM drive. Locate and install the necessary USB drivers for the KKL 409.1 interface. If a CD is not available, drivers can often be found online from the manufacturer's support website or a reputable driver repository. Ensure you install the correct drivers for your operating system (Windows 98SE / ME / 2000 / NT / XP).



Figure 5.1: Internal components of the cable, highlighting the need for proper driver installation for the FTDI chip.

2. **Connect to Computer:**

   Plug the USB end of the diagnostic cable into an available USB port on your computer. Your computer should recognize the device and assign a COM port. You may need to check Device Manager to identify the assigned COM port number.

3. **Connect to Vehicle:**

   Locate the OBD-II diagnostic port in your vehicle. This port is typically found under the dashboard on the driver's side. Plug the 16-pin OBD-II connector of the cable firmly into the vehicle's diagnostic port.



Figure 5.2: Close-up view of the OBD2 16-pin male connector, ready for connection to the vehicle's diagnostic port.

4. **Turn On Vehicle Ignition:**

   Turn your vehicle's ignition to the "ON" position (do not start the engine). This powers the OBD-II port and wakes up the ECU, allowing the diagnostic cable to establish communication.

6. Operating Instructions

Once the cable is physically connected and drivers are installed, you can proceed with using diagnostic software:

1. **Launch Diagnostic Software:**

   Open your preferred diagnostic software (e.g., VCDS-Lite, Carsoft compatible versions). Ensure the software is compatible with the KKL 409.1 interface.

2. **Configure Software:**

   Within the diagnostic software settings, select the correct COM port that was assigned to your USB diagnostic cable during driver installation. Also, ensure the interface type is set to KKL or VAG-COM 409.1.

3. **Establish Connection:**

   Initiate the connection process within the software. The software should detect the vehicle's ECU and establish communication. If a connection cannot be established, refer to the Troubleshooting section.

4. **Perform Diagnostics:**

   You can now use the software to read and clear diagnostic trouble codes (DTCs), view live sensor data, perform adaptation, and conduct other diagnostic functions as supported by your software and vehicle.

Note: *The specific functions and interface of the diagnostic software will vary. Refer to the software's documentation for detailed usage instructions.*

7. Maintenance

To ensure the longevity and reliable operation of your diagnostic cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a clean, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Wipe the cable and connectors with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Handling:** Avoid bending or twisting the cable excessively. Always grasp the connectors when plugging or unplugging, rather than pulling on the cable itself.
- **Inspection:** Periodically inspect the cable for any signs of damage, such as frayed wires or bent pins on the connectors. Do not use a damaged cable.

8. Troubleshooting

If you encounter issues while using the diagnostic cable, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Cable not recognized by computer	◦ Ensure drivers are correctly installed. Check Device Manager for any unknown devices or driver errors. ◦ Try a different USB port on your computer. ◦ Restart your computer.
Cannot connect to vehicle ECU	◦ Verify the vehicle's ignition is in the "ON" position. ◦ Confirm the OBD-II connector is fully seated in the vehicle's port. ◦ Check software settings for the correct COM port and interface type. ◦ Ensure your vehicle uses the ISO/KWP protocol and is not using VPW, PWM, or CAN-bus. ◦ Try a different diagnostic software if available.
Software reports communication errors	◦ Close other applications that might be using the COM port. ◦ Adjust the latency settings for the COM port in Device Manager (usually lower latency is better). ◦ Ensure the diagnostic software is up-to-date.

If the problem persists after attempting these solutions, contact customer support or consult a qualified automotive technician.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official keisnoaja website. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information:

- **Brand:** keisnoaja
- **Manufacturer:** keisnoaja
- **Online Store:** keisnoaja Amazon Store

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