

Avital 4103 Installation Manual

Avital

Model 4003

Installation Guide

NOTE: This product is intended for installation by a professional installer only! Any attempt to install this product by any person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

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Avital 4103 installation manual is an essential resource for anyone looking to install a car alarm system effectively. The Avital 4103 is a popular choice among vehicle owners due to its advanced features, such as a two-way paging system, remote start capabilities, and a compact design that makes it suitable for various car models. In this article, we will guide you through the detailed steps of the installation process, highlight important components, and provide tips for troubleshooting common issues.

Understanding the Avital 4103 System

Before diving into the installation process, it's important to understand the key features of the Avital 4103 system. Here are some of its standout features:

- Two-way communication with a range of up to 1 mile
- Remote start functionality
- Keyless entry and trunk release
- Shock sensor for impact detection
- Built-in valet switch for easy access

These features make the Avital 4103 a versatile option for enhancing the security of your vehicle.

Preparation for Installation

Before you start the installation of the Avital 4103, ensure you have all necessary tools and components at hand. Here's what you need:

Required Tools

- Screwdriver set (flathead and Phillips)
- Wire stripper and crimping tool
- Multimeter
- Electrical tape
- Zip ties

Components Included in the Package

Ensure that your Avital 4103 kit contains the following components:

- Main control unit

- Wiring harness
- Shock sensor
- Two-way remote control
- Installation manual (Avital 4103 installation manual)

Step-by-Step Installation Guide

Installing the Avital 4103 system involves several steps. Below, we break down the installation process into manageable parts.

Step 1: Disconnect the Battery

Safety should always come first. Begin by disconnecting the negative terminal of the car battery to prevent any electrical shorts during installation.

Step 2: Locate the Control Module

Choose a suitable location to mount the control module. It should be hidden but accessible for future adjustments. Common locations include underneath the dashboard or behind the glove box.

Step 3: Wiring the Control Module

Using the wiring harness provided, connect the control module to the vehicle's wiring system. Consult the Avital 4103 installation manual for color-coded wiring diagrams. Here are the essential connections:

1. Power Connection: Connect the red wire to a constant 12V power source.
2. Ground Connection: Attach the black wire to a suitable ground point.
3. Ignition Connection: Connect the yellow wire to the ignition switch.

Ensure all connections are secure and insulated with electrical tape.

Step 4: Install the Shock Sensor

The shock sensor is crucial for detecting impacts. Mount it on the vehicle's chassis or under the dashboard for optimal performance. Follow these wiring instructions:

1. Connect the shock sensor's output wire to the control unit.
2. Ensure the sensitivity of the shock sensor is set according to your preference.

Step 5: Connect the Remote Start Feature

If your vehicle is compatible with remote start, follow these steps:

1. Locate the starter wire, which is usually found in the ignition harness.
2. Connect the blue wire from the control module to the starter wire.
3. Ensure you also connect any necessary safety features, such as the brake and hood pins.

Step 6: Testing the System

Before reassembling the dashboard, reconnect the battery and test the system. Ensure the alarm triggers, remote start functions, and other features work as intended. If something isn't right, refer back to the Avital 4103 installation manual for troubleshooting tips.

Step 7: Final Assembly

Once everything is tested and confirmed to be functioning properly, reassemble the dashboard components and secure the wiring with zip ties to prevent any interference.

Troubleshooting Common Issues

Even with careful installation, you may encounter some common issues. Here are some troubleshooting tips:

Issue 1: Alarm Not Triggering

- Ensure all wiring connections are secure.
- Check the shock sensor's sensitivity settings.
- Make sure the battery is properly connected and has a charge.

Issue 2: Remote Start Not Working

- Verify connections to the ignition and starter wires.
- Confirm that the vehicle is in a compatible mode for remote start (e.g., the vehicle is in park).

Issue 3: Range Issues with Remote

- Check for obstructions between the remote and the vehicle.
- Replace the batteries in the remote if necessary.

Conclusion

The **Avital 4103 installation manual** provides comprehensive guidance for installing this advanced car alarm system. By following the steps outlined above and utilizing the troubleshooting tips, you can ensure a successful installation that enhances the security of your vehicle. Whether you are a DIY enthusiast or a first-time installer, the Avital 4103 is a reliable choice that delivers peace of mind and convenience. With its range of features and ease of use, you can enjoy the benefits of enhanced vehicle security for years to come.

Frequently Asked Questions

What is the Avital 4103 and what does it do?

The Avital 4103 is a car security system that offers features such as keyless entry, remote start, and vehicle tracking to enhance the security and convenience of your vehicle.

Where can I find the Avital 4103 installation manual?

The installation manual for the Avital 4103 can typically be found on the manufacturer's website, or you can contact customer support for a digital copy.

What tools are required for installing the Avital 4103?

Common tools required for the installation include a screwdriver set, wire strippers, crimping tools, and a multimeter for testing connections.

Are there any specific vehicle compatibility requirements for the Avital 4103?

Yes, the Avital 4103 is compatible with a wide range of vehicles, but it's essential to check the installation manual for specific compatibility with your vehicle make and model.

What are the steps to install the Avital 4103 security system?

The installation typically involves disconnecting the vehicle's battery, connecting the control module to the ignition and starter wires, attaching the siren, and mounting the antenna, followed by re-connecting the battery and testing the system.

How can I troubleshoot issues during the Avital 4103 installation?

If you encounter issues during installation, refer to the troubleshooting section of the installation manual, check all wire connections for secure fittings, and ensure that the vehicle battery is fully charged.

Is professional installation recommended for the Avital 4103?

While some experienced users may install it themselves, professional installation is recommended to ensure proper setup and functionality of the Avital 4103 system.

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