Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

GWNOWZZET WAK-510

GWNOWZZET WAK-510 Throttle Response Controller User Manual

Model: WAK-510 | Brand: GWNOWZZET

1. Introduction

The GWNOWZZET WAK-510 Throttle Response Controller is an electronic booster designed to enhance your vehicle's driving experience by improving throttle sensitivity. It works by controlling the car's throttle opening, allowing for a more responsive and dynamic acceleration tailored to various driving habits and conditions. This device aims to eliminate throttle lag, providing a more immediate and powerful feel when accelerating.



Image 1.1: The WAK-510 Throttle Response Controller unit, connecting cables, and included user manual.

2. Product Compatibility

The WAK-510 model is specifically designed for a range of vehicles. Please verify your vehicle's compatibility before installation.

- **NISSAN:** XTERRA 2012+, PATHFINDER (R51) -2005, NAVARA 2006+
- **DODGE:** DART 2013+
- **CHEVROLET:** COLORADO 2012+, HHR 2006-2011
- **CADILLAC:** XTS 2013-2014, BLS 2005-2009
- **BUICK:** LACROSSE 2010+, REGAL 2011+, VERANO 2012-2014

It is crucial to compare the original car accelerator pedal plug with the controller's connectors to ensure proper fitment before purchase and installation.



Image 2.1: Compatible Nissan Frontier.



Image 2.2: Compatible Chevrolet Colorado.



Image 2.3: Ensure your vehicle's accelerator pedal plug matches the controller's connectors.

3. What's in the Box

Upon opening the package, you should find the following components:

- Display Adjuster (Control Unit)
- Host Cable (Main wiring harness)
- User's Guide (This manual)
- Ties (for cable management)

4. Setup and Installation

The WAK-510 Throttle Response Controller is designed for a straightforward, plug-and-play installation process. Typically, installation can be completed in approximately 5 minutes.

Installation Steps:

1. Locate your vehicle's accelerator pedal. The throttle cable connector is usually found near the top of the pedal assembly.
2. Carefully unplug the original throttle cable from the accelerator pedal. This may involve sliding a clip outwards before pulling the harness.
3. Connect the WAK-510 controller's harness inline with the accelerator pedal. One end connects to the vehicle's original throttle cable, and the other end connects to the accelerator pedal itself. Ensure connections are secure.
4. Route the display adjuster cable to a convenient location within the cabin, ensuring it does not interfere with driving controls.
5. Mount the display adjuster using the provided 3M tape or other suitable method.
6. Use the included ties to secure any loose cables, preventing them from snagging or interfering with pedal operation.

After installation, start your vehicle and test the controller's functionality. It is recommended to begin with a lower sensitivity setting (e.g., Comfort Mode F1.1) and gradually increase to your preferred level.

5. Operating Modes and Functions

The WAK-510 controller features 8 distinct driving modes, each with 9 adjustable strength levels (1-9), allowing for fine-tuning of throttle response. The display unit shows the current mode and strength level (e.g., F3.9).



Image 5.1: WAK-510 Display Unit Controls.

Control Unit Overview:

- **Three-digit LED Display:** The first two numbers indicate the mode, and the last number indicates the acceleration level (1-9).
- **Mode Switch Button:** Press to cycle through the 8 available driving modes.
- **Decrease Button:** Reduces the acceleration level within the current mode (from 9 down to 1).
- **Increase Button:** Increases the acceleration level within the current mode (from 1 up to 9).
- **Light Sensor Auto-Adjustment:** Automatically adjusts display brightness.

Available Driving Modes:

- **F1 Comfort Mode:** Provides a smoother, more relaxed throttle response. (Acceleration increase: 15%)
- **F2 Sport Mode:** Offers a noticeable increase in throttle sensitivity for a sportier feel. (Acceleration increase: 45%)
- **F3 Racing Mode:** Delivers the most aggressive throttle response for maximum acceleration. (Acceleration increase: 60%)
- **EC Fuel-Saving Mode:** Optimizes throttle response for improved fuel efficiency. (Fuel savings: 3%-8%)

- **Normal Mode (NOR):** Reverts to the vehicle's original throttle response. (Acceleration increase: 0%)
- **AAA Autostick (AT) Mode:** Specifically tuned for automatic transmission vehicles, providing smoother gear shifts and faster upshifts.
- **HHH Manual (MT) Mode:** Optimized for manual transmission vehicles, offering a strong sense of movement and improved handling comfort.
- **New Car Mode:** A specialized mode for new vehicle adaptation.



Image 5.2: Overview of the 11 available functions and modes.

Additional Functions:

- **One Key Overtaking Function:** Allows for an immediate jump to Racing Mode for quick acceleration during overtaking or intense driving.
- **Anti-Theft Function (LOC):** When activated, the car's throttle will be locked, preventing acceleration at idle speed, acting as a security measure.
- **Auto Mode (AU-):** Intelligently detects driver habits and automatically adjusts to the appropriate acceleration effect.
- **Learning Function (15.):** The intelligent power controller automatically matches car data, which can help reduce potential breakdowns.



Image 5.3: Display indicators for One Key Overtake, Auto Mode, Learning Function, and Anti-Theft Function.

6. Troubleshooting

If you encounter issues with your WAK-510 Throttle Response Controller, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Controller not powering on or display is blank.	Loose connection; power issue.	Check all cable connections to ensure they are fully seated. Verify vehicle's power supply.
No change in throttle response or modes not working.	Incorrect installation; incompatible vehicle; controller malfunction.	Re-check installation steps, ensuring all connections are correct. Confirm vehicle compatibility (WAK-510 model). If issues persist, contact customer support.
Vehicle enters "limp mode" or throws engine lights.	Overly aggressive settings; potential conflict with vehicle's ECU.	Immediately disconnect the controller. Clear any error codes from the vehicle's ECU. Reinstall and start with the lowest sensitivity setting (F1.1) or Normal Mode (NOR). Consider turning off traction control in F2 Sport or F3 Race modes to prevent potential conflicts. If the problem recurs, discontinue use and contact support.

Problem	Possible Cause	Solution
Buttons unresponsive or display shows unexpected countdown.	Accidental button combination; internal error.	Disconnect the controller from power for a few minutes, then reconnect to reset. If a specific button combination was pressed, try pressing it again or refer to the manual for advanced functions.
Display unit adhesive not holding.	Weak adhesive; improper surface preparation.	Ensure the mounting surface is clean and dry before applying adhesive. Use a stronger double-sided adhesive tape if necessary.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact GWNOWZZET customer support for further assistance.

7. Specifications

Feature	Detail
Model Number	WAK-510
Manufacturer	GWNOW
Item Weight	10.2 ounces
Package Dimensions	5.94 x 3.46 x 2.44 inches
Exterior Finish	Machined
Display	3-digit LED display
Driving Modes	8 (F1, F2, F3, EC, NOR, AAA, HHH, New Car Mode)
Adjustable Levels	9 strength levels per mode
First Available Date	December 26, 2020

8. Warranty and Support

This product is subject to a return policy allowing for refund or replacement within 30 days of purchase. For specific warranty details, please refer to the terms provided at the time of purchase or contact the seller directly.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact GWNOWZZET customer service through the platform where the product was purchased. Provide your model number (WAK-510) and purchase details for faster service.

© 2024 GWNOWZZET. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B08RBYJZ2X

More documents and user manuals: **https://manuals.plus/**