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MAIMEIMI MA-FLC-821

MAIMEIMI MA-FLC-821 Throttle Response Controller Instruction Manual

Model: MA-FLC-821 | Brand: MAIMEIMI

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the MAIMEIMI MA-FLC-821 Throttle Response Controller. This device is designed to modify the electronic throttle signal, offering enhanced throttle response and customizable driving modes for compatible vehicles. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW AND FEATURES

The MAIMEIMI MA-FLC-821 Throttle Response Controller is an electronic device that intercepts and modifies the signal from your vehicle's accelerator pedal to the engine control unit (ECU). This modification results in a more immediate and responsive throttle, reducing the typical delay found in electronic throttle systems. The controller features multiple driving modes and fine-tuning levels to suit various driving preferences and conditions.

Key Features:

- **9 Drive Modes:** Offers nine distinct driving modes, each with nine adjustable intensity levels, allowing for precise customization of throttle response.
- **Clear Display & Easy Adjustment:** Equipped with a three-digit LED display to show the current mode and intensity level. Three buttons facilitate easy mode selection and intensity adjustment.
- **Small & Portable Design:** Compact size (approximately 5cm x 3cm x 0.58cm) for discreet installation and minimal intrusion into the vehicle's interior.
- **Plug-and-Play Installation:** Designed for straightforward installation without cutting wires or complex modifications.
- **Memory Function:** Retains the last selected driving mode and intensity level after the vehicle is turned off.

Small and Portable Size



Figure 1: Product dimensions and display features. The display shows 'P2.8' indicating a mode and intensity level. Buttons for 'MODE', '-', and '+' are visible for adjustments.

3. COMPATIBILITY

This throttle response controller is compatible with specific Toyota models. Please verify your vehicle's make, model, year, and engine type against the table below to ensure compatibility.

Easy Plug-N-Play Installation

FLC-821



Note: If you are not sure whether your car is suitable, you can compare the car's accelerator pedal electronic connection with the picture, if the same is applicable

Make	Brand	Fits	Year	Engines
For TOYOTA	Tacoma	SR,SR5,TRD Sport,TRD Off Road,Limited, TRD Pro (Gas & Diesel)	2005+(2th & 3th Gen)	2.7L 3.5L 4.0L
	FJ Coruiser	Base, 4WD, 2WD, TRD (Gas & Diesel)	2006+	4.0L
	4Runner	Base,Limited, Limited v8,SR5, SR5 V8,Sport, Sport v8 (Gas & Diesel)	2003-2009 (4th Gen Only)	4.0L 4.7L
	Hilux	SR,SR5,Extra Cab, TRD, VIGO VNT (Gas & Diesel)	2006-2015 (7th Gen Only)	2.5L 2.7L 3.0L 4.0L
	Fortuner 2006-2015,Innova 2006-2015, Mark X 2006-2009,Prius 2005-2009, Prado 2005-2009 (Gas & Diesel)			

Figure 2: Vehicle Compatibility Chart for MA-FLC-821.

Important Note:

- This electronic throttle controller is only applicable to vehicles equipped with an electronic throttle.
- It does not support vehicles with mechanical throttles.
- Always ensure your car has an electronic throttle with a compatible plug before installation.

4. PACKAGE CONTENTS

Upon opening the package, please ensure all the following components are present:

- Throttle Response Controller Display Screen
- Main Control Unit (Adapter)
- Connecting Cable
- Zip Ties (for securing cables)

- User Manual (this document)



Figure 3: The MAIMEIMI MA-FLC-821 Throttle Response Controller and included accessories.

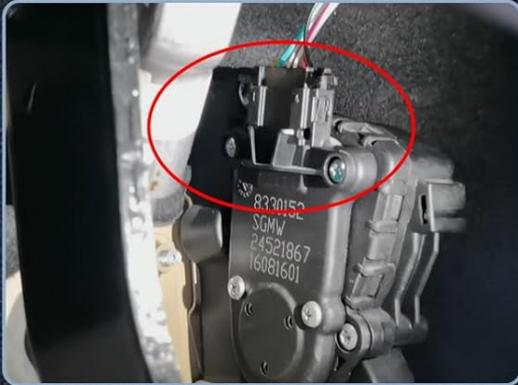
Video 1: Unboxing and overview of the MAIMEIMI Throttle Response Controller components.

5. INSTALLATION GUIDE

Follow these steps carefully for a successful installation. Ensure your vehicle's ignition is OFF before beginning.

1. **Locate the Accelerator Pedal:** Identify the electronic accelerator pedal assembly in your vehicle.
2. **Disconnect the Pedal Interface:** Carefully unplug the wiring harness from the accelerator pedal.
3. **Connect the Controller:** Connect the MAIMEIMI throttle controller's wiring harness inline with the accelerator pedal interface. One end connects to the vehicle's pedal, and the other to the disconnected harness. Ensure a secure fit.
4. **Mount the Display Unit:** Route the cable for the display unit to a convenient location on your dashboard. Use the provided adhesive or zip ties to secure the display unit.
5. **Secure Wiring:** Use the provided zip ties to neatly secure any loose wiring, preventing interference with pedal operation or other vehicle components.

Installation Steps



1. Find out the car accelerator pedal



2. Unplug the vehicle accelerator pedal interface



3. Connect the accelerator controller to the accelerator pedal interface



4. Stick the throttle controller close to the dashboard

Figure 4: Step-by-step installation process.

Safety Precaution:

All adjustments to the throttle controller must be made when the vehicle is safely parked and not in motion. Never attempt to adjust settings while driving.

6. OPERATING INSTRUCTIONS

The MAIMEIMI MA-FLC-821 features 9 distinct driving modes, each with 9 adjustable intensity levels (1-9). The display shows the mode (e.g., P1, P2, SSS, EC, NOR) and the intensity level (e.g., .8). The first two digits indicate the mode, and the last digit indicates the intensity.

Mode Selection:

- Press the **MODE** button to cycle through the available driving modes.
- The display will show the current mode (e.g., P1, P2, SSS, EC, NOR).

Intensity Adjustment:

- Once a mode is selected, use the + button to increase the intensity level (1-9).
- Use the - button to decrease the intensity level (1-9).
- Higher intensity levels provide a more aggressive throttle response.

Driving Modes Explained:



Figure 5: Overview of the 9-Drive Modes.

- **NOR (Normal Mode):** This is the original factory throttle setting. The controller is active but does not modify the signal.
- **P1 Comfort Mode (Automatic/Manual):** Provides a smoother, more relaxed throttle response, suitable for daily driving and city conditions.
- **P2 Sport Mode (Automatic/Manual):** Offers a more dynamic and responsive throttle, ideal for spirited driving and improved acceleration.
- **P3 Racing Mode (Automatic/Manual):** Delivers the most aggressive throttle response for maximum acceleration and performance.

- **EC Fuel-Saving Mode (Automatic/Manual):** Optimizes throttle response for improved fuel efficiency, reducing aggressive acceleration.

7. MAINTENANCE

The MAIMEIMI MA-FLC-821 Throttle Response Controller is designed for durability and requires minimal maintenance. To ensure its longevity and optimal performance:

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Ensure all connections remain secure. Periodically check the wiring harness for any signs of wear or damage.
- Do not attempt to open or modify the device, as this will void the warranty and may cause damage.

8. TROUBLESHOOTING

If you encounter any issues with your MAIMEIMI MA-FLC-821 Throttle Response Controller, please refer to the following troubleshooting tips:

No Power/Display Off:

- Check all connections to ensure they are securely plugged in.
- Verify that the vehicle's ignition is on.
- Ensure the connecting cable is not damaged.

No Change in Throttle Response:

- Confirm that the device is powered on and displaying a mode other than 'NOR'.
- Check the intensity level; increase it using the '+' button.
- **Reset Procedure:** With the vehicle ignition ON (engine OFF), press and hold the MODE button until a specific code (e.g., '800') appears. Adjust to '800' if necessary. Fully depress and release the accelerator pedal. Then, press and hold the MODE button again until the main screen reappears. Start the vehicle.
- Ensure your vehicle is compatible with the device (refer to Section 3).

Check Engine Light or Error Codes:

- Immediately disconnect the throttle controller and reconnect the factory accelerator pedal harness.
- Start the vehicle and check if the error codes persist. If they do, consult a qualified mechanic.
- If the codes clear after removing the device, the controller may be incompatible with your specific vehicle's ECU or may be faulty. Contact customer support.

Intermittent Functionality:

- Check for loose connections at both the pedal and the controller.
- Ensure the wiring is not pinched or damaged.
- Consider environmental factors like extreme heat or cold, though the device is designed to be robust.

If these steps do not resolve the issue, please contact MAIMEIMI customer support for further assistance.

9. SPECIFICATIONS

Specification	Detail
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Brand	MAIMEIMI
Model Number	MA-FLC-821
Item Weight	4.6 ounces
Package Dimensions	6.26 x 5.79 x 2.13 inches
Drive Modes	9 (each with 9 intensity levels)
Display	3-digit LED
Compatibility	Electronic throttle vehicles (specific Toyota models)

10. WARRANTY INFORMATION

MAIMEIMI products are manufactured to high-quality standards. This product comes with a limited warranty against defects in materials and workmanship under normal use. The warranty period typically covers 12 months from the date of purchase. Please retain your proof of purchase for warranty claims.

The warranty does not cover:

- Damage caused by improper installation or misuse.
- Damage caused by unauthorized repairs or modifications.
- Normal wear and tear.
- Damage due to accidents or external causes.

For detailed warranty terms and conditions, please refer to the official MAIMEIMI website or contact customer support.

11. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to make a warranty claim, please contact MAIMEIMI customer support through the following channels:

- **Email:** [Insert Customer Support Email Here]
- **Website:** [MAIMEIMI Official Store on Amazon](#)
- **Phone:** [Insert Customer Support Phone Number Here]

Please provide your product model number (MA-FLC-821) and proof of purchase when contacting support to expedite the process.