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Model: VTM43FL

INTRODUCTION

The BOYO VISION VTM43FL is a frameless, OE-style replacement rear-view mirror designed to enhance your driving experience with integrated backup camera monitoring capabilities. It features a 4.3-inch ultra-high brightness TFT-LCD display seamlessly embedded within the mirror, providing clear visibility for your rear-view camera. This manual provides essential information for the proper installation, operation, and maintenance of your VTM43FL mirror monitor.

PACKAGE CONTENTS

Please verify that all components are present in the package before proceeding with installation:

- Rear View Monitor (VTM43FL)
- Mirror Monitor Cable
- Car Camera Extension Cable
- Universal Fixed Mounting Bracket

KEY FEATURES

- 4.3-inch Ultra High Brightness Display (660 CD/M2)
- Intuitive Touch Button Control
- Automatic Brightness Adjusting LCD for optimal viewing in varying light conditions
- Switchable Mirror and Normal Image Display
- Two Video Inputs for multiple camera connections
- Adjustable Parking Lines for precise maneuvering
- Auto Reverse Video Trigger for automatic display activation when reversing
- Includes Universal Fixed Mounting Bracket for versatile installation

SETUP AND INSTALLATION

Installation of the VTM43FL mirror monitor typically involves replacing your vehicle's existing rear-view mirror. Professional installation is recommended to ensure proper wiring and functionality. The universal fixed mounting bracket is designed to accommodate various vehicle types.

Installation Steps (General Overview):

1. **Disconnect Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent accidental short circuits.
2. **Remove Existing Mirror:** Carefully remove your vehicle's original rear-view mirror. This process varies by vehicle make and model.
3. **Mount New Mirror:** Attach the VTM43FL mirror monitor using the provided universal fixed mounting bracket. Ensure it is securely fastened and positioned for optimal viewing.
4. **Connect Power and Video Cables:**
 - Connect the Mirror Monitor Cable to the VTM43FL unit.
 - Route the power wires to an appropriate 12V power source (e.g., accessory power, constant power, ground).
 - Connect the video input cables from your backup camera (and any other video sources) to the corresponding video input ports on the mirror monitor cable.
 - Connect the auto reverse video trigger wire to your vehicle's reverse light circuit, if desired, for automatic display activation.
5. **Route Cables:** Neatly route all cables to avoid interference with vehicle operation and to maintain a clean appearance.
6. **Reconnect Battery:** Once all connections are secure, reconnect the vehicle's negative battery terminal.
7. **Test Functionality:** Turn on your vehicle and test the mirror monitor's display, video inputs, and touch controls.



This image shows the BOYO VISION VTM43FL frameless rear-view mirror monitor. The left side of the mirror displays a clear 4.3-inch TFT-LCD screen showing a backup camera view of an empty parking garage. On the far left edge of the mirror, there are subtle green icons for 'M' (Menu), 'CH' (Channel), and two speaker icons, indicating touch controls. The right side of the mirror functions as a standard reflective mirror, showing a blurred view of a road with a vehicle ahead, demonstrating its dual functionality.

For specific wiring diagrams and vehicle-specific installation instructions, please consult a qualified automotive technician or refer to your vehicle's service manual.

OPERATING INSTRUCTIONS

Basic Operation:

The VTM43FL mirror monitor features intuitive touch buttons integrated into the mirror's surface. These controls allow you to navigate settings and switch between functions.

- **Power On/Off:** The monitor typically powers on automatically when the vehicle's ignition is turned on or when the

reverse gear is engaged (if the auto reverse trigger is connected).

- **Automatic Brightness Adjustment:** The LCD display automatically adjusts its brightness (660 CD/M2) based on ambient light conditions to ensure optimal visibility during both day and night driving.

Video Input Switching:

The VTM43FL supports two video inputs. You can switch between these inputs using the touch controls on the mirror. Refer to the on-screen menu or the 'CH' (Channel) touch button for cycling through available video sources.

Mirror and Normal Image Switch:

Depending on your camera type and preference, you can switch the display between a mirror image (standard for rear-view cameras) and a normal image. This setting is typically found within the monitor's menu accessed via the 'M' (Menu) touch button.

Adjustable Parking Lines:

The monitor can display adjustable parking lines on the backup camera feed to assist with parking maneuvers. These lines can be calibrated to match your vehicle's dimensions and camera angle through the monitor's menu settings.

MAINTENANCE

To ensure the longevity and optimal performance of your BOYO VISION VTM43FL mirror monitor, follow these maintenance guidelines:

- **Cleaning the Mirror Surface:** Use a soft, lint-free cloth and a non-abrasive glass cleaner to gently wipe the mirror surface. Avoid spraying cleaner directly onto the mirror; instead, apply it to the cloth first.
- **Cleaning the Display:** For the LCD display area, use a microfiber cloth specifically designed for electronics screens. Do not use harsh chemicals or abrasive materials, as they can damage the screen.
- **Cable Inspection:** Periodically check all connected cables for any signs of wear, fraying, or damage. Ensure connections remain secure.
- **Avoid Extreme Temperatures:** While designed for automotive use, prolonged exposure to extreme hot or cold temperatures can affect electronic components.

TROUBLESHOOTING

If you encounter issues with your VTM43FL mirror monitor, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Monitor does not power on.	No power supply; loose connection; blown fuse.	Check power connections and vehicle fuse box. Ensure the ignition is on if wired to accessory power.
No image displayed from camera.	Camera not powered; loose video cable; incorrect video input selected.	Verify camera power. Check video cable connections. Ensure the correct video input is selected on the monitor. Test camera with another display if possible.
Image is distorted or flickering.	Poor video signal; interference; faulty cable.	Check video cable for damage or loose connections. Ensure proper grounding. Avoid routing video cables near high-current wires.

Problem	Possible Cause	Solution
Touch controls are unresponsive.	Temporary software glitch; excessive dirt/moisture on screen.	Clean the mirror surface. Try cycling the vehicle's ignition to restart the monitor.
Parking lines are inaccurate.	Lines not calibrated for vehicle/camera.	Access the monitor's menu to adjust and calibrate the parking lines according to your vehicle's dimensions.

If the problem persists after attempting these solutions, please contact BOYO VISION customer support or a qualified technician.

SPECIFICATIONS

Model Number	VTM43FL
Display Type	TFT-LCD
Display Size	4.3 inches
Brightness	660 CD/M2
Video Inputs	2
Control Method	Touch Buttons
Overall Mirror Dimensions (L x W x H)	10.5 x 1.5 x 2.75 inches
Item Weight	2.13 pounds
Color	Black
Manufacturer	Vision Tech America
Compatible Camera Sensor Technology	CMOS (for connected cameras)

WARRANTY AND SUPPORT

BOYO VISION products are manufactured with high-quality standards. For specific warranty information regarding your VTM43FL mirror monitor, please refer to the warranty card included with your product or visit the official BOYO VISION website. For technical support, troubleshooting assistance, or inquiries about replacement parts, please contact Vision Tech America customer service.

Note: This product may be subject to Proposition 65 warnings. Please refer to the product packaging for details.

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