

## **F87B-14B205-AC**

# **Multifunction GEM Control Module User Manual**

Model: F87B-14B205-AC, F87B14B205AC

## **PRODUCT OVERVIEW**

This document provides essential information regarding the Multifunction GEM (Generic Electronic Module) Control Module, part numbers F87B-14B205-AC and F87B14B205AC. This module is a critical component in specific vehicle electrical systems, managing various functions. It is designed as a direct replacement part for compatible vehicles.



Figure 1: Top view of the Multifunction GEM Control Module. This image shows the main body of the module with visible connectors and the stock number 'UQC 252' marked on it.

## **COMPATIBILITY INFORMATION**

This Multifunction GEM Control Module is compatible with specific models and years. Please verify your vehicle's make, model, and existing part number against the list below to ensure proper fitment. This module is typically located behind

the center dash and is for vehicles without keyless entry.

- **fits Mazda B-2500 (1998):** Multifunction; (behind center dash), w/o keyless entry; ID F87B-14B205-AA, F87B-14B205-AB, F87B-14B205-AC
- **fits Mazda B-3000 (1998):** Multifunction; (behind center dash), 4x2, w/o keyless entry; ID F87B-14B205-AA, F87B-14B205-AB, F87B-14B205-AC
- **fits Mazda B-4000 (1998):** Multifunction; (behind center dash), 4x2, w/o keyless entry; ID F87B-14B205-AA, F87B-14B205-AB, F87B-14B205-AC
- **fits Ranger (1998):** Multifunction; (behind center dash), 4x2, w/o remote keyless entry; gasoline, ID F87B-14B205-AA, F87B-14B205-AB, F87B-14B205-AC

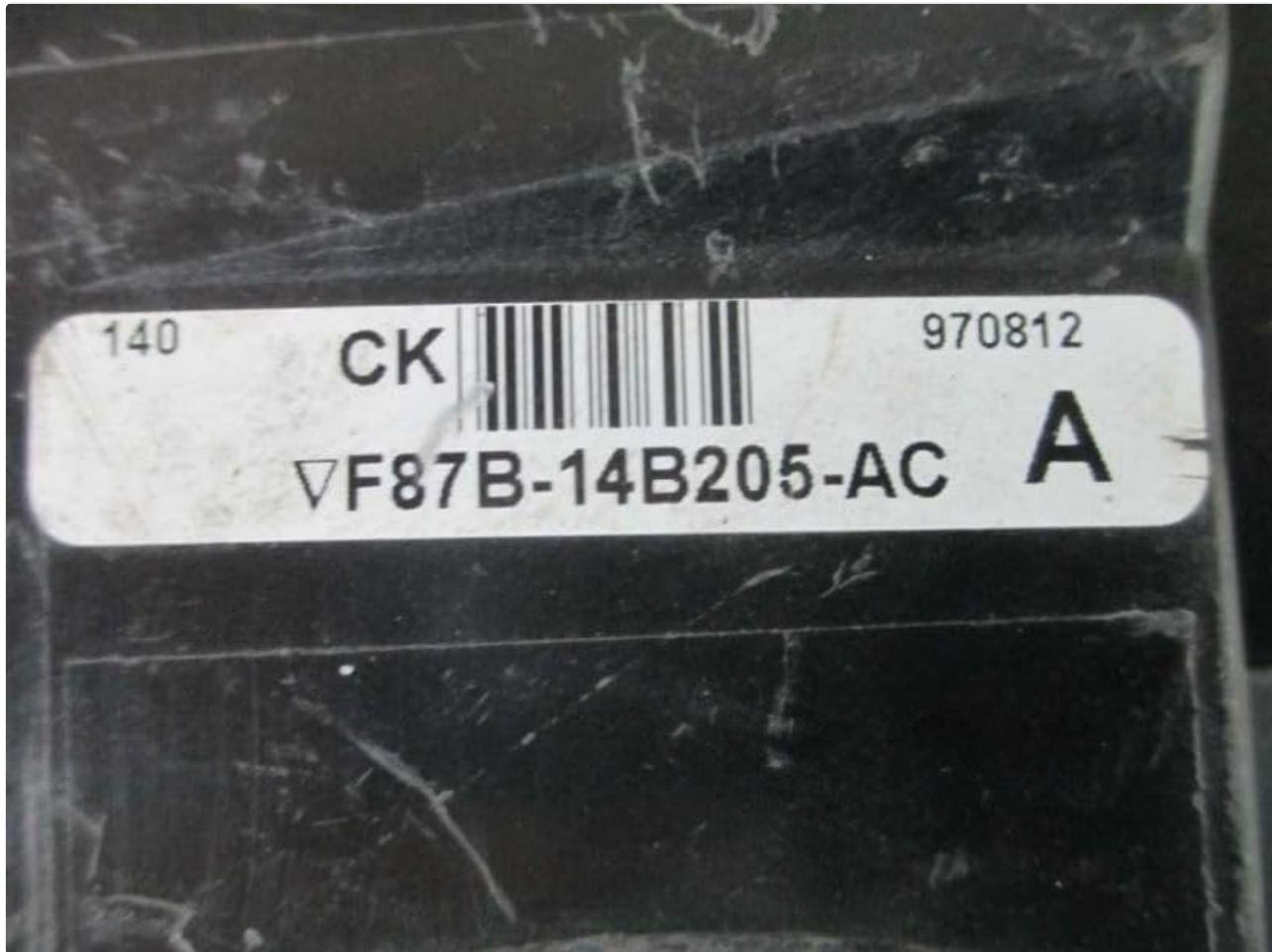


Figure 2: Close-up view of the module's identification label. This image clearly displays the part number F87B-14B205-AC, which is crucial for compatibility verification.

## INSTALLATION AND SETUP

Installation of the Multifunction GEM Control Module requires specialized knowledge and tools. It is highly recommended that this component be installed by a certified automotive technician. Improper installation can lead to damage to the module, vehicle electrical systems, or personal injury.

### General Installation Steps (for professional reference only):

1. Disconnect the vehicle's battery to prevent electrical shorts.
2. Locate the existing GEM module, typically behind the center dash.
3. Carefully disconnect all electrical connectors from the old module.
4. Remove the old module from its mounting brackets.
5. Install the new module into the mounting brackets, ensuring it is securely fastened.
6. Reconnect all electrical connectors to the new module, ensuring they are fully seated.

7. Reconnect the vehicle's battery.
8. Perform necessary diagnostic scans and programming as required by the vehicle manufacturer.



Figure 3: Side view of the module displaying its various electrical connectors. These connectors must be properly aligned and secured during installation.

## OPERATION

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The Multifunction GEM Control Module operates automatically as part of the vehicle's integrated electrical system. It is responsible for controlling various non-engine related electrical functions, which may include, but are not limited to, interior lighting, power windows, wipers, and other accessory functions. Once properly installed and configured, the module requires no direct user interaction for its operation.



Figure 4: Rear view of the module, showing the Ford logo and a barcode label. This side typically faces the vehicle's interior once installed.

## MAINTENANCE

The Multifunction GEM Control Module is a sealed electronic component and requires no routine maintenance. It is designed for long-term reliability under normal operating conditions. Avoid exposing the module to excessive moisture, extreme temperatures, or physical impact.

If the module becomes dirty, gently wipe it with a dry, lint-free cloth. Do not use liquid cleaners or solvents directly on the module or its connectors.

## TROUBLESHOOTING

If you experience issues with vehicle functions controlled by the GEM module after installation, consider the following troubleshooting steps:

- **Check Connections:** Ensure all electrical connectors are fully seated and secure on the module.
- **Battery Check:** Verify the vehicle's battery is fully charged and its terminals are clean and tight.
- **Fuses:** Inspect relevant fuses in the vehicle's fuse box that correspond to the affected functions. Replace any blown fuses.
- **Professional Diagnosis:** If issues persist, it is strongly recommended to consult a qualified automotive technician. They can perform diagnostic scans to identify fault codes and pinpoint the exact cause of the problem.

*Note:* This module is a replacement part. If the original issue was not resolved by replacing the module, the problem may lie elsewhere in the vehicle's electrical system or wiring.

## SPECIFICATIONS

Attribute	Detail
Part Number	F87B-14B205-AC, F87B14B205AC
Model Number	153178
Brand	Generic
Manufacturer	REUSED PARTS
Condition	Used (Grade A)
First Available	April 17, 2025
Compatible OEM	Yes

## WARRANTY AND SUPPORT

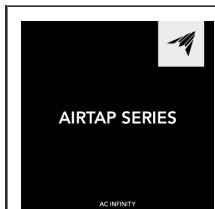
For specific warranty information and technical support regarding this Multifunction GEM Control Module, please refer to the policies of the seller, Reused Parts LLC, or the platform where the purchase was made. As this is a used part, warranty terms may vary.

It is recommended to retain your purchase receipt and any documentation provided by the seller for future reference.

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## Related Documents - F87B-14B205-AC

	<p><a href="#">2019 Ford Ranger Owner's Manual</a></p> <p>Comprehensive guide for the 2019 Ford Ranger, covering operation, safety features, maintenance, and vehicle systems. Essential reading for owners.</p>
	<p><a href="#">Ford Fusion AC Evaporator Sensor Quick Fix Workaround Guide</a></p> <p>A step-by-step guide to fixing the Ford Fusion AC evaporator sensor issue with a simple resistor workaround, avoiding expensive dashboard removal and replacement. Covers wiring, resistor selection, and installation for models up to 2012.</p>
	<p><a href="#">AC Infinity AIRTAP Series Register Booster Fan System User Manual</a></p> <p>User manual for the AC Infinity AIRTAP Series Register Booster Fan System, detailing installation, programming, features, and warranty information for enhancing HVAC airflow.</p>



## [AC Infinity AIRTAP Series User Manual and Product Guide](#)

Comprehensive user manual and product guide for the AC Infinity AIRTAP Series register booster fans, covering installation, setup, programming, features, and troubleshooting.



## [AHT Commercial Refrigeration Appliance Operating Instructions Supplement](#)

This document provides a supplement to the operating instructions for AHT commercial refrigeration appliances, including model details, technical specifications, and EU compliance information.



## [Delta Industrial Automation Products Catalog: Drives, PLCs, HMs, Servo Systems, and More](#)

A comprehensive catalog detailing Delta Electronics' range of industrial automation products, including AC motor drives (VFDs), Programmable Logic Controllers (PLCs), Human Machine Interfaces (HMIs), AC servo drives and motors, encoders, communication modules, sensors, temperature controllers, and power supplies, with detailed specifications and model numbers.