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› PJFJFP BCM Control Module Unit BDTS67560G for Mazda 3 (2022-2023) and Mazda CX-30 (2019-2023) - Installation and Operation Manual

PJFJFP BDTS67560G

PJFJFP BCM Control Module Unit BDTS67560G Installation and Operation Manual

For Mazda 3 (2022-2023) and Mazda CX-30 (2019-2023)

1. PRODUCT OVERVIEW

The PJFJFP BDTS67560G is a Body Control Module (BCM) unit designed as a replacement part for specific Mazda vehicles. The BCM is a critical electronic component responsible for managing various electrical systems and functions within the vehicle, including lighting, power windows, central locking, and other integrated systems. This unit ensures seamless communication and operation between different vehicle components.



Image 1.1: Top view of the PJFJFP BCM Control Module Unit BDT67560G, showing the main label with part number and connectors.

Key Features:

- Compatible with 2022-2023 Mazda 3 and 2019-2023 Mazda CX-30 for optimal performance.
- OEM part number BDT67560G ensures a precise fit and reliable functionality.
- Essential for vehicle electrical systems, facilitating communication between components.
- Constructed for durability and longevity in various driving conditions.

2. COMPATIBILITY

This BCM Control Module Unit is compatible with the following vehicle models and years:

- Mazda 3: 2022 - 2023
- Mazda CX-30: 2019 - 2023
- Mazda CX-50: 2023

Always verify the OEM part number (BDT67560G) against your vehicle's existing part to ensure correct fitment.

3. IMPORTANT PRE-INSTALLATION INFORMATION

Before proceeding with installation, please read the following critical information:

- **Part Number Verification:** Ensure that the product you intend to install matches the appearance and part number (BDTS67560G) of your vehicle's original BCM unit. If unsure, consult with a qualified technician or the seller before purchase.
- **ECU Programming Requirement:** This BCM unit is shipped as a blank Electronic Control Unit (ECU) without pre-loaded data. It will not function correctly upon direct installation into the vehicle without proper programming.
- **Programming Service:** If programming is required, you must provide specific vehicle information to the seller or a professional programming service. This typically includes:
 - Pictures of the vehicle's body plate.
 - Pictures of the vehicle's engine plate.

This information allows for accurate data matching and programming prior to shipment or installation, saving time and ensuring correct operation.

4. INSTALLATION GUIDE

Installation of a Body Control Module requires technical expertise and should ideally be performed by a certified automotive technician. Incorrect installation can lead to vehicle malfunctions or damage. The following steps are general guidelines; always refer to your vehicle's specific service manual for detailed instructions.

General Installation Steps:

1. **Safety First:** Disconnect the vehicle's negative battery terminal to prevent electrical shorts or damage during installation.
2. **Locate BCM:** Identify the location of the existing BCM unit in your vehicle. This can vary by model and year.
3. **Remove Old BCM:** Carefully disconnect all electrical connectors and mounting hardware securing the old BCM.
4. **Install New BCM:** Position the new PJFJFP BDTS67560G BCM unit in place. Secure it with the appropriate mounting hardware.
5. **Connect Wiring:** Reconnect all electrical connectors to the new BCM. Ensure all connections are secure and properly seated.
6. **Reconnect Battery:** Reconnect the vehicle's negative battery terminal.
7. **Programming (If Not Pre-Programmed):** If the BCM was not pre-programmed, it must now be programmed using specialized diagnostic tools. This step is crucial for the unit to function correctly with your vehicle.
8. **Test System:** After installation and programming, test all vehicle systems controlled by the BCM to ensure proper operation.



Image 4.1: Angled view of the BCM unit, showing its form factor and some connectors.



Image 4.2: Bottom view of the BCM unit, revealing the heatsink for thermal management.

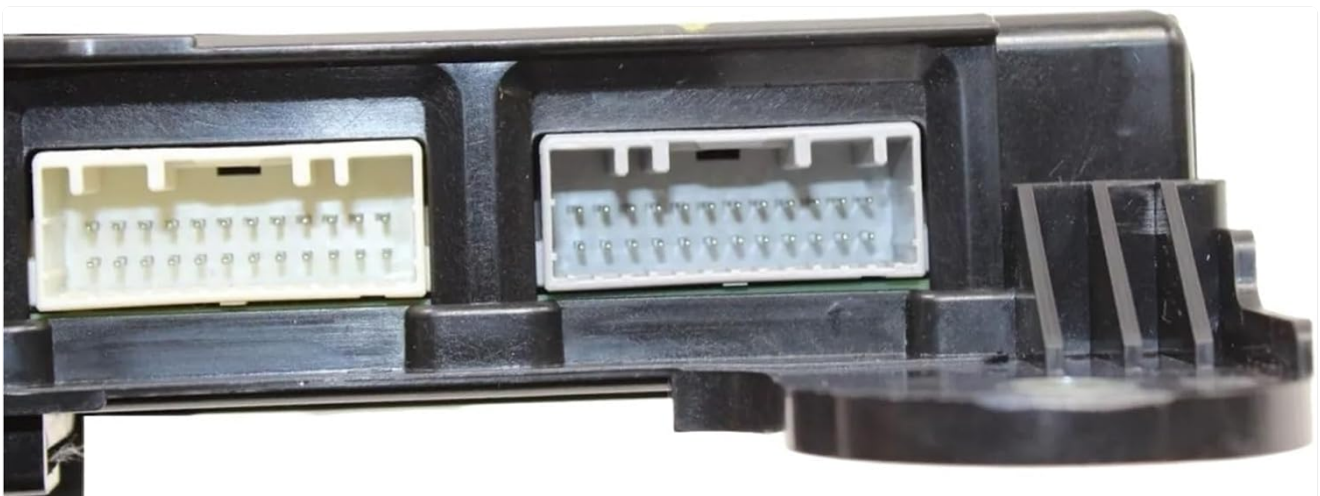


Image 4.3: Close-up view of the electrical connectors on the BCM unit, highlighting the pin configurations.

5. OPERATING PRINCIPLES

The PJFJFP BDTS67560G BCM is an internal vehicle component that operates automatically as part of the vehicle's integrated electronic system. There are no direct user controls or operational procedures for this module. Once correctly installed and programmed, it manages various vehicle functions based on inputs from sensors and other control units.

Its operation is transparent to the user, ensuring that systems like lighting, security, and comfort features function as intended by the vehicle manufacturer.

6. MAINTENANCE

The BCM unit is a sealed electronic component and does not require routine user maintenance. It is designed for a long service life under normal operating conditions.

- **Cleaning:** Do not attempt to clean the internal components of the BCM. External surfaces can be wiped with a dry, soft cloth if necessary, ensuring no moisture enters the unit.
- **Handling:** Avoid dropping or subjecting the unit to severe impacts, as this can damage internal circuitry.
- **Professional Service:** Any issues or suspected malfunctions with the BCM should be diagnosed and addressed by a qualified automotive technician. Do not attempt to open or repair the unit yourself.

7. TROUBLESHOOTING

If you experience issues after installing the PJFJFP BDTS67560G BCM, consider the following troubleshooting steps:

- **Verify Connections:** Ensure all electrical connectors are securely attached to the BCM and that no pins are bent or damaged.
- **Check Programming:** Confirm that the BCM has been correctly programmed for your specific vehicle. An unprogrammed or improperly programmed unit will not function.
- **Battery Check:** Ensure the vehicle's battery is fully charged and in good condition. Low voltage can affect electronic module operation.
- **Diagnostic Scan:** Use an automotive diagnostic scanner to check for Diagnostic Trouble Codes (DTCs). These codes can provide valuable information about the nature of the problem.
- **Professional Assistance:** If issues persist, it is highly recommended to seek assistance from a certified automotive technician. They have the specialized tools and knowledge to diagnose and resolve complex electronic system problems.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Manufacturer	PJFPJF
Brand	PJFJFP
Model Number	BDTS67560G
OEM Part Number	BDTS67560G
Item Weight	1.76 ounces
Package Dimensions	0.39 x 0.39 x 0.39 inches

Specification	Detail
Exterior Finish	Brushed
ASIN	B0FTGDQQ8J
Date First Available	October 1, 2025

9. WARRANTY INFORMATION

Specific warranty terms and conditions for the PJFJFP BDTS67560G BCM Control Module Unit are provided by the seller or manufacturer at the time of purchase. Please retain your proof of purchase for any warranty claims.

It is important to note that improper installation, unauthorized modifications, or failure to adhere to programming requirements may void the product warranty.

10. CUSTOMER SUPPORT

For technical assistance, installation guidance, or inquiries regarding programming services, please contact the seller or the PJFJFP manufacturer directly. Provide your product model number (BDTS67560G) and purchase details when seeking support to facilitate a quicker resolution.

Always refer to official service channels for reliable information and support.