

Banks Power 62570

Banks Power 62570 TransCommand Transmission Management System for Ford 4R100 Automatic Transmissions

Instruction Manual

1. PRODUCT OVERVIEW

The Banks Power 62570 TransCommand is an advanced automatic transmission management computer designed to enhance the performance and longevity of Ford E4OD and 4R100 automatic transmissions. This module optimizes shift characteristics, providing smoother, firmer shifts under light throttle and solid, decisive shifts during heavy-load conditions. It effectively eliminates excessive clutch slippage, which contributes to extended transmission life.

Key Features:

- Produces smooth, firm, light-throttle shifts.
- Delivers solid, decisive heavy-load shifts.
- Eliminates excessive clutch slippage.
- Extends transmission life.
- Designed for easy installation.
- Built with high-temperature, solid-state components.

This system is particularly beneficial for full-sized Ford trucks and vans equipped with E4OD/4R100 automatic transmissions, especially when hauling large loads or when paired with other Banks Power systems like Sidewinder turbo, Stinger, and PowerPack.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Banks TransCommand Module (P.N. 62557)
- Wiring Harness Assembly
- Mounting Hardware (screws, nuts)

- Cable Ties (zip ties)
- Additional Connectors/Adapters (as required for specific vehicle models)



Figure 1: Banks Power 62570 TransCommand kit. This image displays the main TransCommand module, a complex wiring harness with various connectors, several black cable ties, and a set of mounting screws and nuts. The module itself is black with a red label indicating "Banks TransCommand Transmission Management" and "Ford 4R100 Automatic Transmissions."

3. SETUP AND INSTALLATION

Installation of the Banks TransCommand system requires basic mechanical knowledge and tools. It is recommended to consult a professional if you are unfamiliar with automotive electrical systems or transmission components. Always disconnect the vehicle's battery before beginning any electrical work.

3.1. Pre-Installation Checks

- Ensure the vehicle's engine is off and cool.
- Disconnect the negative terminal of the vehicle's battery.
- Identify the location of the transmission control module (TCM) or the main transmission harness connector on your specific Ford E4OD or 4R100 transmission.

3.2. Mounting the TransCommand Module

1. Select a secure, dry location for the TransCommand module, away from extreme heat or moving parts.
2. Use the provided mounting hardware to firmly attach the module to the chosen surface.

3.3. Wiring Harness Connection

1. Carefully route the TransCommand wiring harness from the module to the transmission. Ensure the harness is protected from sharp edges, heat sources, and moving components. Use the provided cable ties to secure the harness.
2. Locate the main transmission harness connector. Depending on your vehicle, this may require disassembling certain components or working around heat shields.
3. Disconnect the factory transmission harness connector.
4. Connect the Banks TransCommand harness in-line with the factory transmission harness. The TransCommand harness is designed to plug directly into the factory connectors. Ensure all connections are secure and fully seated.
5. Connect any additional wires (e.g., ground wire, power wire if applicable) as per the detailed instructions provided with your specific kit. The image shows a ring terminal, likely for a ground connection.

3.4. Post-Installation

1. Double-check all connections for security and proper routing.
2. Reconnect the vehicle's battery.
3. Start the vehicle and allow it to idle for a few minutes.
4. Perform a test drive to verify proper operation of the transmission.

Note: Refer to the specific installation guide included with your Banks TransCommand kit for detailed, vehicle-specific instructions and diagrams. The information provided here is general guidance.

4. OPERATING INSTRUCTIONS

The Banks TransCommand is an automatic transmission management system that operates continuously once installed. It does not require manual adjustments or user input during operation.

- **Automatic Load Sensing:** The electronic module senses the vehicle's load and commands the transmission to adjust hydraulic pressure accordingly.
- **Optimized Shifting:**
 - Under light throttle, shifts will be smooth and firm.
 - During full-throttle or heavy-load driving, shifts will be solid and decisive.
- **Enhanced Durability:** By eliminating excessive clutch slippage, the TransCommand helps to extend the operational life of your transmission.

The system is designed to provide optimal shift performance across various driving conditions without user intervention.

5. MAINTENANCE

The Banks TransCommand module is designed to be maintenance-free. No periodic servicing or adjustments are required.

- Periodically inspect the wiring harness and connections for any signs of wear, damage, or looseness.
- Ensure the module remains securely mounted.
- Keep the module clean and free from excessive dirt or moisture.

If any issues arise, refer to the Troubleshooting section.

6. TROUBLESHOOTING

If you experience unexpected transmission behavior after installing the Banks TransCommand, consider the following troubleshooting steps:

- **No Change in Shift Characteristics:**
 - Verify all wiring harness connections are fully seated and secure.
 - Check for proper power and ground connections to the TransCommand module.
 - Ensure the module itself is correctly installed and not damaged.
- **Harsh or Erratic Shifting:**
 - Re-check all connections for proper seating. A loose connection can cause intermittent issues.
 - Ensure the harness is not pinched or damaged, which could lead to signal interference.
 - If the issue persists, temporarily disconnect the TransCommand module and reconnect the factory harness to see if the problem resolves. This helps isolate the issue.
- **Check Engine Light (CEL) or Diagnostic Trouble Codes (DTCs):**
 - If a CEL illuminates, retrieve any stored DTCs using an OBD-II scanner. These codes can provide valuable information about the nature of the problem.
 - Consult the Banks Power support resources or a qualified technician with the DTC information.

If troubleshooting steps do not resolve the issue, contact Banks Power customer support or a certified automotive technician for further assistance.

7. SPECIFICATIONS

Product Type	Automatic Transmission Management Computer
Model Number	62570 (FBA_62570)
Compatibility	Ford E4OD and 4R100 Automatic Transmissions (1989-present in full-sized trucks/vans)
Manufacturer	Banks Power
Item Weight	2.49 pounds (approx. 1.13 kg)
Package Dimensions	11.684 cm L x 23.114 cm W x 29.21 cm H (4.6 in L x 9.1 in W x 11.5 in H)
Components	High-temp, solid-state components

8. WARRANTY AND SUPPORT

Specific warranty terms and conditions for the Banks Power 62570 TransCommand are provided by Banks Power. Please refer to the official documentation included with your product or visit the Banks Power website for the most current warranty information.

For technical support, installation assistance, or warranty claims, please contact Banks Power directly through their official customer service channels. Contact information can typically be found on their website or in the product packaging.

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This manual provides general guidance. Always refer to the official Banks Power documentation for detailed and vehicle-specific instructions.