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Manfiscal 84540-35050

Manfiscal Automatic Transmission Neutral Start Switch Instruction Manual

Model: 84540-35050 | For Toyota Tacoma (2005-2015)

1. Introduction

This manual provides essential information for the proper installation, function, and maintenance of your Manfiscal Automatic Transmission Neutral Start Switch, part number 84540-35050. This component is designed for specific Toyota Tacoma models from 2005 to 2015. Please read this manual thoroughly before installation and operation to ensure safety and optimal performance.

2. Safety Information

Warning: Automotive repairs can be complex and dangerous. Improper installation can lead to vehicle malfunction, serious injury, or death. If you are not experienced with automotive electrical systems and component replacement, it is highly recommended to seek professional assistance from a qualified mechanic.

- Always disconnect the vehicle's battery before beginning any electrical work to prevent accidental short circuits or electrical shock.
- Ensure the vehicle is securely parked on a level surface with the parking brake engaged.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Refer to your vehicle's service manual for specific procedures and torque specifications.
- Keep children and pets away from the work area.

3. Package Contents

Verify that all items are present and undamaged upon opening the package.

- 1 x Manfiscal Automatic Transmission Neutral Start Switch (Part No. 84540-35050)



Image 1: Top view of the Manfiscal Automatic Transmission Neutral Start Switch. This image shows the main body of the switch, including the mounting points and the electrical connector. The part number 84540-35050 is visible on a blue label.

4. Specifications

Part Number	84540-35050
Manufacturer	Manfiscal
Material	ABS Plastic, Metal Alloy
Accessory Type	Direct Replacement
Compatibility	Toyota Tacoma (2005-2015)

5. Installation Guide

This section provides a general overview of the installation process. Specific steps may vary based on your vehicle's configuration. Always consult your vehicle's service manual.

1. **Preparation:**
    - Park the vehicle on a level surface and engage the parking brake.
    - Disconnect the negative terminal of the vehicle's battery.
    - Allow the engine and transmission to cool down if recently operated.
    - Locate the existing neutral safety switch on the transmission. This typically requires lifting the vehicle safely using jack stands.
2. **Removal of Old Switch:**
    - Carefully disconnect the electrical connector from the old switch.
    - Unbolt or unclip the old neutral safety switch from its mounting location on the transmission. Note its orientation for correct installation of the new part.



Image 2: Close-up view of the electrical connector. This image highlights the multi-pin connector, which must be securely attached to the vehicle's wiring harness.

3. **Installation of New Switch:**
    - Position the new Manfiscal neutral safety switch in the same orientation as the old one.
    - Securely bolt or clip the new switch into place. Ensure it is properly aligned.
    - Connect the electrical connector to the new switch, ensuring a firm and secure connection.



Image 3: Bottom view of the neutral safety switch. This perspective shows the underside of the switch, including the gear selector mechanism and additional mounting points.

4. **Post-Installation:**
    - Reconnect the negative terminal of the vehicle's battery.
    - Test the vehicle's starting and shifting functions to ensure the switch operates correctly. The vehicle should only start in Park or Neutral.
    - Check for any diagnostic trouble codes (DTCs) using an OBD-II scanner and clear them if necessary.

Note: The installation process is designed to be a direct replacement. However, professional installation is recommended to ensure proper function and safety.

6. Operation

The Automatic Transmission Neutral Start Switch (also known as a Park/Neutral Position Switch) is a critical safety component. Its primary function is to prevent the engine from starting unless the transmission is in either the "Park" (P) or "Neutral" (N) gear positions. This ensures the vehicle does not accidentally move when the engine is started. Additionally, this switch often provides the transmission control module (TCM) with information about the current gear selection, which is vital for proper transmission operation and gear shifting.

7. Maintenance

The Manfiscal Automatic Transmission Neutral Start Switch is designed for long-term reliability and typically requires no routine maintenance. However, regular vehicle inspections can help identify potential issues before they become critical.

- Periodically inspect the electrical connector for corrosion or loose connections.
- Ensure the wiring harness leading to the switch is free from damage, chafing, or excessive tension.
- If you notice any unusual behavior with starting the vehicle or transmission shifting, consult a qualified mechanic.

8. Troubleshooting

If you experience issues after installing the neutral start switch, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Vehicle will not start in Park or Neutral.	Loose electrical connection. Incorrect switch alignment. Faulty switch (less likely if new). Blown fuse.	Check and secure the electrical connector. Verify the switch is correctly aligned and mounted. Inspect relevant fuses in the fuse box. Consult a mechanic for diagnosis.
Vehicle starts in gear (e.g., Drive or Reverse).	Incorrect switch alignment. Faulty switch.	Immediately stop operation and re-check switch alignment. Seek professional diagnosis and replacement if necessary.
Check Engine Light (CEL) or transmission warning light illuminates.	Electrical connection issue. Switch malfunction. Other vehicle system fault.	Use an OBD-II scanner to retrieve diagnostic trouble codes (DTCs). Address specific DTCs or consult a mechanic.

9. Warranty and Support

Manfiscal products are manufactured to high-quality standards. For specific warranty information, please refer to the product packaging or contact Manfiscal customer support directly. Keep your proof of purchase for any warranty claims. For technical assistance or further inquiries, please contact your retailer or the manufacturer's customer service channels.

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