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## Dorman 49277

# Dorman 49277 Multifunction Switch Assembly User Manual

Model: 49277 | Brand: Dorman

## INTRODUCTION

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The Dorman 49277 Multifunction Switch Assembly is a direct replacement component designed to match the fit and performance of the original switch in specific vehicle applications. This assembly integrates multiple functions, typically including turn signals, wiper controls, and sometimes cruise control or tilt lever functions, into a single unit. It is an imperative replacement item for safety compliance and proper vehicle operation.

This manual provides essential information regarding the setup, operation, maintenance, and troubleshooting of your Dorman 49277 Multifunction Switch Assembly.

## SETUP AND INSTALLATION

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Installation of the Dorman 49277 Multifunction Switch Assembly typically involves replacing an existing, fatigued, or failed switch. While designed for direct replacement, professional installation is recommended to ensure proper function and safety. If performing a DIY installation, ensure you have the necessary tools and follow vehicle-specific service manual procedures.

### Pre-Installation Steps:

- **Vehicle Compatibility:** Verify that the Dorman 49277 is compatible with your exact vehicle make, model, and trim level. Refer to your vehicle's service manual or Dorman's compatibility guide.
- **Safety First:** Disconnect the vehicle's battery before beginning any electrical work to prevent accidental shorts or injury.
- **Tools Required:** Gather appropriate tools, which may include screwdrivers, trim removal tools, and a socket set.

### Installation Procedure (General Steps):

1. Carefully remove any trim panels or covers obstructing access to the existing multifunction switch.
2. Disconnect the electrical connectors from the old switch. Note the orientation and connection points if not

clearly marked.

3. Remove the fasteners securing the old switch in place and carefully extract it from the steering column or dashboard.
4. Insert the new Dorman 49277 Multifunction Switch Assembly into position, ensuring it seats correctly.
5. Secure the new switch with the appropriate fasteners.
6. Reconnect all electrical connectors firmly.
7. Reinstall any removed trim panels or covers.
8. Reconnect the vehicle's battery.
9. Test all functions of the new switch to ensure proper operation before driving the vehicle.



Figure 1: Main view of the Dorman 49277 Multifunction Switch Assembly. This image shows the overall design and primary controls of the switch, including the wiper and turn signal levers.

## OPERATING INSTRUCTIONS

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The Dorman 49277 Multifunction Switch Assembly provides control over several vehicle functions. Familiarize yourself with the controls before operating your vehicle.

### Turn Signal Operation:

- **Left Turn:** Push the lever **down** to activate the left turn signal.
- **Right Turn:** Push the lever **up** to activate the right turn signal.
- The lever will typically return to the center position automatically after completing a turn. For lane changes, a light tap up or down may activate the signal for a few flashes.

### Wiper Control Operation:

The wiper functions are typically controlled by rotating the end of the lever or moving the lever vertically, depending on the specific design.

- **OFF:** Wipers are inactive.
- **MIST:** Provides a single wipe for light mist or spray.
- **ON:** Continuous wiper operation.
- **DELAY:** Intermittent wiper operation with adjustable delay settings. Rotate the collar or move the lever to

adjust the delay interval.

- **LO:** Low-speed continuous wiper operation.
- **HI:** High-speed continuous wiper operation.

## Windshield Washer Operation:

- **PUSH:** Push the button located on the end of the lever (or pull the lever towards you) to activate the windshield washer fluid spray and a few wiper cycles.



Figure 2: Detailed view of the Dorman 49277 Multifunction Switch Assembly controls. This image highlights the markings for wiper speeds (OFF, MIST, ON, DELAY, LO, HI) and the 'PUSH' button for the washer function.

## MAINTENANCE

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The Dorman 49277 Multifunction Switch Assembly is constructed from quality materials designed for reliable performance and a long service life. Minimal maintenance is required for this component.

- **Regular Inspection:** Periodically inspect the switch for any signs of physical damage, loose connections, or excessive wear.
- **Cleaning:** Keep the switch and surrounding area clean from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners, which could damage the plastic or markings.
- **Avoid Force:** Do not apply excessive force when operating the switch. Smooth, deliberate movements are sufficient.

## TROUBLESHOOTING

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If you experience issues with your Dorman 49277 Multifunction Switch Assembly, consider the following common troubleshooting steps:

- **No Function/Intermittent Function:**
  - Check the vehicle's fuse box for any blown fuses related to the affected functions (e.g., turn signals, wipers). Replace if necessary.
  - Ensure all electrical connectors to the switch are securely seated.
  - Verify that the vehicle's battery has sufficient charge and good connections.
- **Incorrect Operation/Sticking:**
  - Inspect the switch for any foreign objects or debris that might be impeding its movement.
  - If the switch feels stiff or sticky, it may indicate internal wear or damage, requiring replacement.
- **Lights/Wipers Not Turning Off:**
  - This could indicate an internal fault within the switch.
  - Ensure the lever is fully in the 'OFF' position.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified automotive technician for diagnosis and repair. Complex electrical issues may require specialized diagnostic tools.

## SPECIFICATIONS

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Attribute	Value
Manufacturer	Dorman Products
Brand	Dorman
Model	Dorman 49277: Multifunction Switch Assembly
Item Weight	1.6 ounces
Product Dimensions	8.2 x 1.8 x 1.4 inches
Country of Origin	China
Item Model Number	49277
Manufacturer Part Number	49277
OEM Part Number	22510733

## WARRANTY AND SUPPORT

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The Dorman 49277 Multifunction Switch Assembly is backed by Dorman's commitment to trustworthy quality, supported by a team of product experts in the United States and over a century of automotive experience. For specific warranty details or technical support, please refer to the official Dorman website or contact Dorman customer service directly. Keep your purchase receipt for warranty claims.