

Standard Motor Products DS-121

Standard Motor Products DS-121 Multi-Function Switch User Manual

Model: DS-121

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Standard Motor Products DS-121 Multi-Function Switch. Designed for automotive applications, this switch controls various electrical functions, typically including headlights, dash lights, and tail lights. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

Warning: Improper installation or handling of electrical components can result in serious injury or damage to your vehicle. Always follow these safety guidelines:

- Disconnect the vehicle's battery before performing any electrical work.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Consult a qualified automotive technician if you are unsure about any installation steps.
- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Wash hands after handling.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Standard Motor Products DS-121 Multi-Function Switch (1 unit)

PRODUCT OVERVIEW

The Standard Motor Products DS-121 is a robust multi-function switch designed for reliable performance in automotive electrical systems. It features a push-pull knob for activation and multiple terminals for connecting to various circuits.

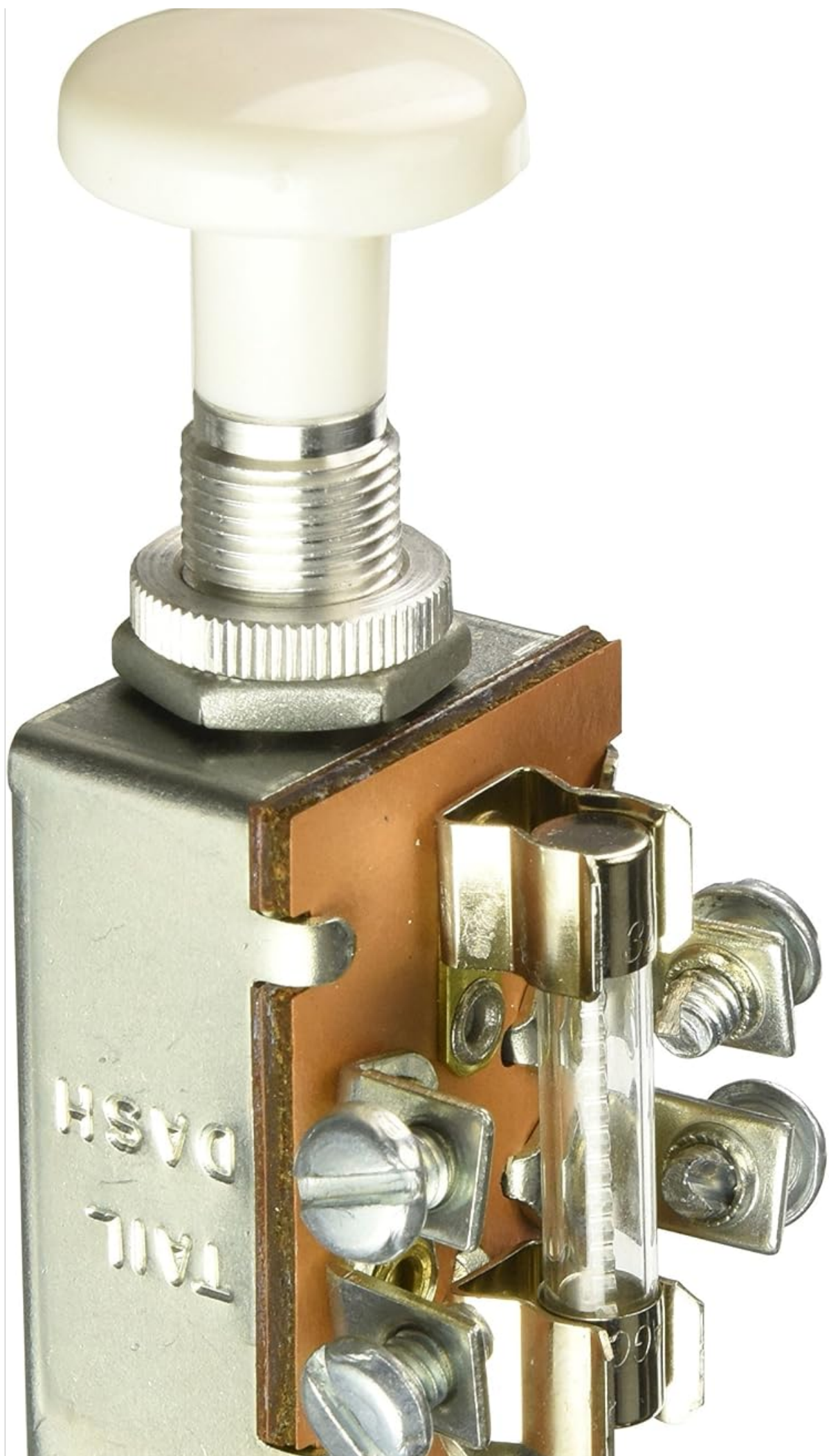




Figure 1: Standard Motor Products DS-121 Multi-Function Switch. This image displays the switch from an angled perspective, showing the white push-pull knob at the top, the threaded mounting shaft, the metal body, and the electrical terminals with screw connections. A clear glass fuse is visible within a holder on the side of the switch, and labels like "TAIL" and "DASH" are faintly visible on the metal housing, indicating terminal functions.

Key components include:

- **Push-Pull Knob:** Used to activate and deactivate functions.
- **Mounting Thread:** For securing the switch to a dashboard or panel.
- **Electrical Terminals:** Screw-type terminals for connecting vehicle wiring. Labeled for specific functions (e.g., TAIL, DASH).
- **Integrated Fuse:** Provides overcurrent protection for the connected circuit.

SETUP AND INSTALLATION

Installation of the DS-121 Multi-Function Switch requires basic automotive electrical knowledge. If you are not comfortable with these procedures, it is recommended to seek professional assistance.

1. Prepare the Vehicle:

- Ensure the vehicle is turned off and the parking brake is engaged.
- Disconnect the negative terminal of the vehicle's battery to prevent accidental electrical shorts.

2. Remove Old Switch (if applicable):

- Carefully remove any dashboard panels or trim necessary to access the existing switch.
- Disconnect the wiring from the old switch, noting the position of each wire (e.g., by labeling or taking a photograph).
- Unmount the old switch from its panel.

3. Mount the New Switch:

- Insert the threaded shaft of the DS-121 switch through the mounting hole in the dashboard or panel.
- Secure the switch with the provided retaining nut, ensuring it is snug but not overtightened.

4. Connect Wiring:

- Refer to your vehicle's wiring diagram or the labels on the old switch/new switch terminals.
- Connect the appropriate vehicle wires to the corresponding terminals on the DS-121 switch (e.g., "TAIL" for tail lights, "DASH" for dash lights, power input, etc.).
- Ensure all connections are clean, secure, and free from corrosion.

5. Verify Fuse:

- Confirm that the integrated fuse is correctly seated and of the appropriate amperage for the circuit it protects.

6. Test and Reassemble:

- Reconnect the vehicle's battery.
- Test all functions controlled by the switch (headlights, tail lights, dash lights) to ensure they operate correctly.
- Once verified, reassemble any removed dashboard panels or trim.

OPERATING INSTRUCTIONS

The Standard Motor Products DS-121 Multi-Function Switch typically operates with a push-pull mechanism to control various lighting functions.

- **Off Position:** When the knob is fully pushed in, all controlled lights are typically off.
- **First Pull Position:** Pulling the knob out to the first detent usually activates the tail lights and dash lights.
- **Second Pull Position:** Pulling the knob out to the second detent typically activates the headlights in addition to the tail lights and dash lights.

Note: Specific functions and pull positions may vary slightly depending on the vehicle's original wiring configuration. Always refer to your vehicle's owner's manual for detailed information on lighting controls.

MAINTENANCE

The DS-121 Multi-Function Switch is designed for long-term reliability with minimal maintenance. However, periodic checks can help ensure optimal performance:

- **Inspect Wiring:** Periodically check the wiring connections to the switch for looseness, corrosion, or damage. Secure any loose connections and clean any corrosion.
- **Check Fuse:** If a function controlled by the switch stops working, inspect the integrated fuse. If blown, replace it with a fuse of the exact same amperage rating. Never use a fuse with a higher rating.
- **Clean Switch:** Keep the exterior of the switch clean and free from dust or debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

If you experience issues with your DS-121 Multi-Function Switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	Blown fuse, loose wiring connection, faulty bulb.	Check and replace the integrated fuse if blown. Verify all wiring connections are secure. Inspect and replace bulbs as needed.
Switch feels loose or unresponsive.	Loose mounting nut, internal mechanical failure.	Tighten the mounting nut. If the issue persists, the switch may require replacement.
Only some functions work (e.g., tail lights but no headlights).	Specific circuit fuse blown, incorrect wiring, internal switch fault.	Check fuses for the non-working circuit. Verify wiring against vehicle diagram. If all else fails, the switch may be faulty.

If troubleshooting steps do not resolve the issue, contact Standard Motor Products customer support or consult a qualified automotive technician.

SPECIFICATIONS

Feature	Detail
Model Number	DS-121
Brand	Standard Motor Products

Feature	Detail
Operation Mode	Motor, Electrical
Product Dimensions (L x W x H)	2.16 x 1.94 x 4.13 inches
Item Weight	0.01 ounces
International Protection Rating	IP54
Connectivity Protocol	X-10
Color	Assorted
Unit Count	1 Count
UPC	091769005535
Fit Type	Vehicle Specific

WARRANTY AND SUPPORT

Standard Motor Products stands behind the quality of its products. For specific warranty information, please refer to the documentation included with your purchase or visit the official Standard Motor Products website. For technical support or inquiries, please contact Standard Motor Products customer service directly.

Manufacturer: Standard Motor Products

Website: www.smpcorp.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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