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manuals.plus /

- › [Standard Motor Products](#) /
- › [Standard Motor Products US216 Ignition Switch Instruction Manual](#)

Standard Motor Products US216

Standard Motor Products US216 Ignition Switch Instruction Manual

Model: US216

[Contents](#) [Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Standard Motor Products US216 Ignition Switch. This product is designed as a direct replacement component for specific automotive applications. Please read this manual thoroughly before attempting any installation or use to ensure safe and correct functionality.

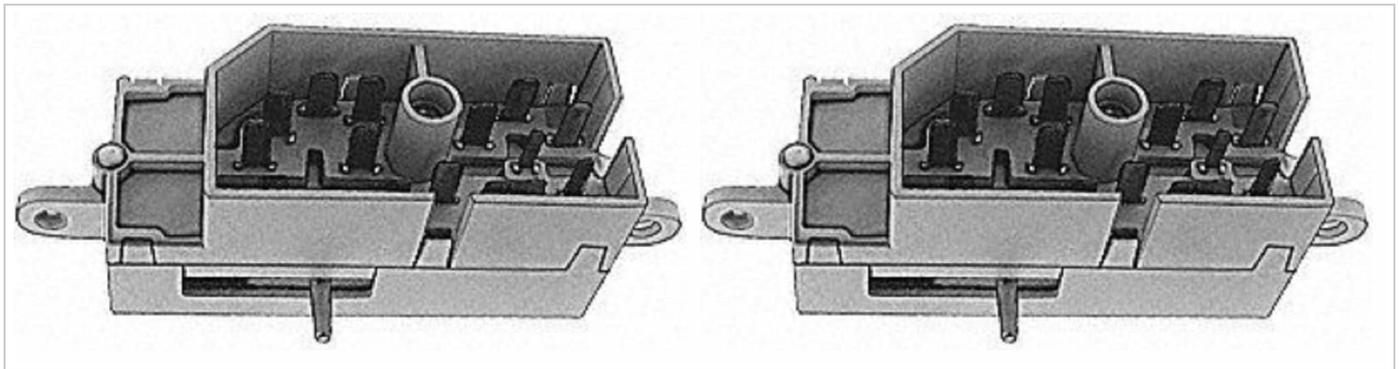


Figure 1: Standard Motor Products US216 Ignition Switch. This image shows the ignition switch, highlighting its compact design and electrical connectors.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with automotive electrical systems:

- **Disconnect the vehicle's battery:** Before beginning any work on the electrical system, always disconnect the negative battery terminal to prevent electrical shock or damage to components.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses and gloves.
- **Consult a professional:** If you are unsure about any step of the installation process, consult a qualified automotive technician.

- **Use correct tools:** Ensure you have the proper tools for the job to avoid damaging the switch or surrounding components.
- **Avoid short circuits:** Be careful not to short circuit any wires or terminals during installation.

3. PACKAGE CONTENTS

Your package should contain the following items:

- Standard Motor Products US216 Ignition Switch (Quantity: 2)

4. INSTALLATION INSTRUCTIONS

The installation of an ignition switch typically involves working with the vehicle's steering column and electrical system. Due to the complexity and safety implications, professional installation is highly recommended. If you choose to proceed with DIY installation, follow these general steps:

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the vehicle's battery.
2. **Access the Ignition Switch:** Depending on your vehicle's make and model, this may involve removing dashboard panels, steering column covers, or other trim pieces. Refer to your vehicle's specific service manual for detailed instructions on accessing the ignition switch.
3. **Disconnect Wiring:** Carefully disconnect all electrical connectors from the old ignition switch. Note the position and orientation of each connector, or take photographs for reference.
4. **Remove Old Switch:** Unfasten any mounting screws, clips, or retaining mechanisms holding the old ignition switch in place. Gently remove the old switch.
5. **Install New Switch:** Position the new Standard Motor Products US216 Ignition Switch in the same location as the old one. Secure it with the original mounting hardware.
6. **Reconnect Wiring:** Reconnect all electrical connectors to the new switch, ensuring they are firmly seated and correctly oriented.
7. **Test Functionality:** Before reassembling the dashboard, reconnect the vehicle's battery. Test the ignition switch through all its positions (OFF, ACC, ON, START) to ensure proper operation of the vehicle's electrical systems and engine starting.
8. **Reassemble:** Once confirmed operational, reassemble all removed dashboard panels and trim pieces.

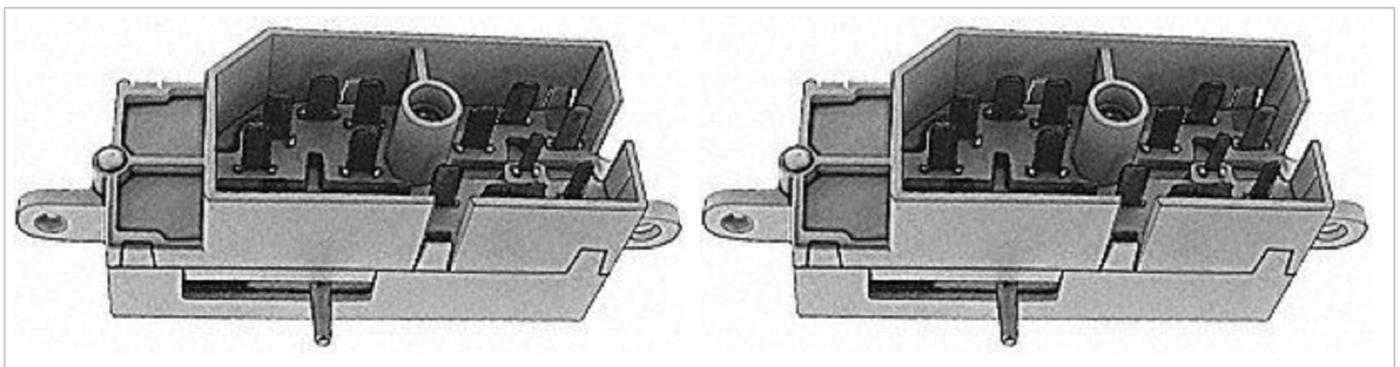


Figure 2: Example of an ignition switch installation area. This image illustrates a typical location for an ignition switch within a vehicle's steering column assembly, showing where the component would be mounted.

5. OPERATING INSTRUCTIONS

The Standard Motor Products US216 Ignition Switch operates like a standard automotive ignition switch. Insert your vehicle's key into the ignition cylinder and rotate it to the desired position:

- **OFF:** The engine is off, and most electrical accessories are deactivated. The key can typically be removed in this position.
- **ACC (Accessory):** Allows operation of certain electrical accessories (e.g., radio, power windows) without starting the engine.
- **ON (Run):** All electrical systems are powered, and the engine is ready to start or is running. This is the normal operating position.
- **START:** Momentarily engages the starter motor to crank the engine. The switch will spring back to the "ON" position once the key is released.

Ensure the key is fully inserted and rotated smoothly between positions. Do not force the key or switch.

6. MAINTENANCE

The Standard Motor Products US216 Ignition Switch is a sealed, maintenance-free component. No user-serviceable parts are inside. To ensure its longevity:

- Keep the area around the ignition switch clean and free of debris.
- Avoid applying excessive force when inserting or turning the key.
- Do not attempt to lubricate the internal mechanisms of the switch, as this can attract dirt and cause malfunction.

If the switch exhibits signs of wear or malfunction, it should be replaced by a qualified technician.

7. TROUBLESHOOTING

If you experience issues after installing the US216 Ignition Switch, consider the following common troubleshooting steps:

- **Engine Does Not Crank:**
 - Check battery connections and charge level.
 - Verify all electrical connectors to the ignition switch are securely attached.
 - Inspect fuses related to the ignition and starter circuits.
 - Ensure the vehicle is in Park (P) or Neutral (N) for automatic transmissions, or the clutch pedal is depressed for manual transmissions.
- **No Power to Accessories (ACC/ON positions):**
 - Check relevant fuses in the vehicle's fuse box.
 - Confirm the ignition switch is fully rotated to the ACC or ON position.
- **Key Sticks or Is Hard to Turn:**
 - Ensure the steering wheel is not locked under tension. Gently wiggle the steering wheel while turning the key.
 - Inspect the key for damage or wear. Try a spare key if available.
 - Do not force the key. If the issue persists, the ignition cylinder or switch may require professional inspection.

If these steps do not resolve the issue, it is recommended to seek diagnosis and repair from a qualified automotive technician.

8. SPECIFICATIONS

The following specifications apply to the Standard Motor Products US216 Ignition Switch:

Feature	Detail
Model Number	US216
Brand	Standard Motor Products
Switch Type	Ignition Switch
Operation Mode	Manual
Circuit Type	1-way
Actuator Type	Rotary
Contact Material	Metal
Control Method	Touch
Item Dimensions (L x W x H)	4 x 4 x 4 inches
Item Weight	11.5 ounces
Unit Count	2.0 Count (Pack of 2)
Country of Origin	China

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Standard Motor Products US216 Ignition Switch, please refer to the documentation provided with your purchase or contact the retailer or manufacturer directly. Warranty terms typically cover defects in materials and workmanship under normal use.

For technical support or further assistance, please contact Standard Motor Products customer service through their official website or the contact information provided by your seller.

