

## BMW 61-36-6-915-327



# BMW Multi-Purpose 4-Prong Relay (1992-2011) Instruction Manual

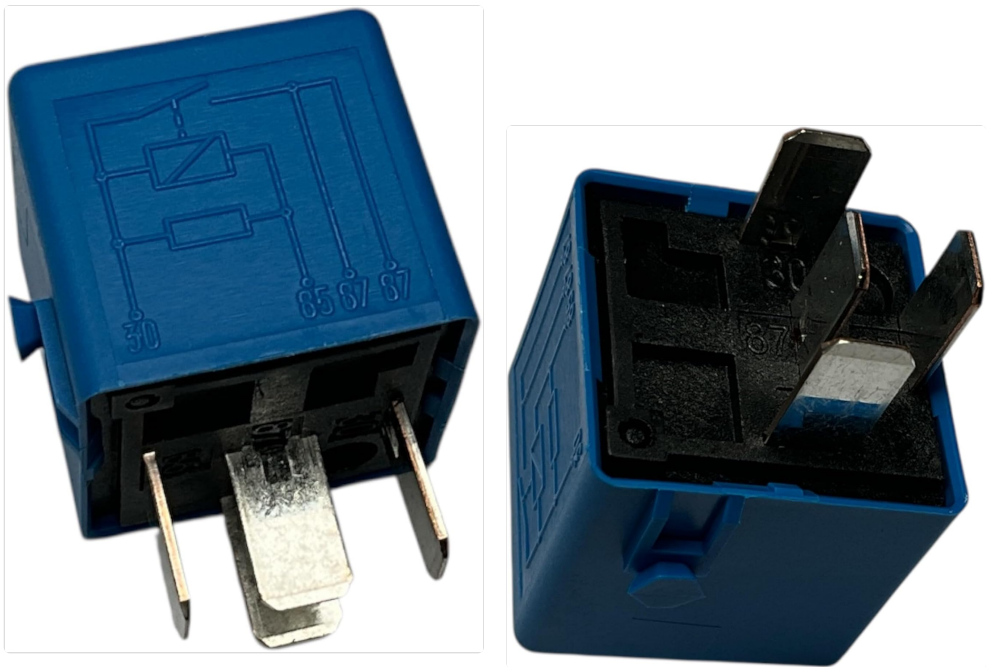
Part Number: 61 36 6 915 327

## 1. PRODUCT OVERVIEW

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This document provides essential information for the BMW Multi-Purpose 4-Prong Relay, designed for various electrical functions in BMW vehicles manufactured between 1992 and 2011. This genuine BMW part (Part Number: 61 36 6 915 327) ensures compatibility and reliable performance as an original equipment manufacturer (OEM) component.

The relay is a critical electrical switch that uses a small amount of current to control a larger current, enabling various vehicle systems to operate correctly. Its 4-prong design indicates its specific electrical configuration.



**Image 1:** Top view of the BMW Multi-Purpose 4-Prong Relay, showing the circuit diagram. **Image 2:** Bottom view of the relay, displaying the four electrical prongs for connection.

## 2. SPECIFICATIONS

| Feature           | Detail               |
|-------------------|----------------------|
| Brand             | BMW                  |
| Part Number       | 61 36 6 915 327      |
| Model             | 61-36-6-915-327-CB-a |
| Connector Type    | Crimp                |
| Contact Material  | Copper               |
| Contact Type      | Normally Open        |
| Mounting Type     | Chassis Mount        |
| Operation Mode    | Automatic            |
| Specification Met | OEM                  |
| Unit Count        | 1.0 Count            |
| Manufacturer      | GENUINE BMW          |

## 3. COMPATIBILITY

This Multi-Purpose 4-Prong Relay is compatible with various BMW models produced between 1992 and 2011. Due to potential mid-year production splits and model variations, it is crucial to verify compatibility with your specific vehicle.

**Known applications include:**

- BMW i3 (Range Extender models) - often functions as a fuel pump relay.
- BMW 325xi (2005 model year).
- BMW Z4 (2003 model year).
- Other BMW models within the 1992-2011 range that utilize a 4-prong multi-purpose relay with part number 61 36 6 915 327.

To ensure correct fitment, consult your vehicle's service manual or contact an authorized BMW service center with your Vehicle Identification Number (VIN) for confirmation.

## 4. INSTALLATION GUIDELINES

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Relay replacement typically involves locating the existing relay in the fuse box or control unit, carefully removing the old unit, and inserting the new one. The exact location and procedure vary by vehicle model and year.

### General Steps:

1. **Safety First:** Disconnect the vehicle's battery before beginning any electrical work to prevent short circuits or electrical shock.
2. **Locate the Relay:** Refer to your vehicle's owner's manual or service manual to identify the precise location of the multi-purpose relay. Common locations include the engine bay fuse box, passenger compartment fuse box (e.g., under the glove box), or trunk.
3. **Access the Relay:** Depending on the location, you may need to remove trim panels, covers, or other components to gain access. For instance, accessing relays under the glove box in some BMW i3 models may require removing several screws and the glove box assembly.
4. **Remove Old Relay:** Gently pull the old relay straight out from its socket. Avoid twisting or prying excessively, as this can damage the socket.
5. **Install New Relay:** Align the prongs of the new BMW Multi-Purpose 4-Prong Relay with the corresponding slots in the socket. Press firmly until it is fully seated.
6. **Reassemble:** Reinstall any removed covers or trim panels.
7. **Reconnect Battery:** Reconnect the vehicle's battery.
8. **Test Functionality:** Start the vehicle and test the system that the relay controls to ensure proper operation.

If you are unsure about any step, it is recommended to seek assistance from a qualified automotive technician.

## 5. OPERATING INFORMATION

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The BMW Multi-Purpose 4-Prong Relay operates automatically as an integral part of your vehicle's electrical system. It functions as an electrically operated switch, receiving a low-current signal from a control unit to open or close a circuit, thereby controlling a higher-current load (e.g., fuel pump, fan, lights). No direct user interaction is required for its operation once correctly installed.

## 6. MAINTENANCE

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This relay is a sealed, maintenance-free component. Regular maintenance is not required. If the relay fails, it should be replaced with a genuine BMW part to ensure continued optimal performance and compatibility with your vehicle's electrical system.

## 7. TROUBLESHOOTING

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A faulty relay can manifest in various ways, depending on the system it controls. Common symptoms and diagnostic information include:

- **Component Malfunction:** The electrical component controlled by the relay (e.g., fuel pump, horn, power windows, specific lights) fails to operate or operates intermittently.
- **No Power:** A component receives no power, even when the vehicle's ignition is on and the component is activated.
- **Constant Power:** A component remains on even when it should be off (less common for "normally open" relays, but possible if contacts fuse).
- **Diagnostic Trouble Codes (DTCs):** For specific applications like the BMW i3 Range Extender fuel pump relay, a faulty relay may trigger codes such as P2414, P0300, P0301, P0302 (cylinder misfire), and O2 sensor errors.
- **Clicking Sound:** A rapidly clicking sound from the relay area without the corresponding component activating can indicate a low voltage supply to the relay coil or a faulty relay.

### Troubleshooting Steps:

1. **Visual Inspection:** Check the relay for any signs of physical damage, burning, or corrosion.
2. **Swap Test:** If there is an identical, known-good relay in your vehicle that controls a non-critical system, you can temporarily swap it with the suspected faulty relay to see if the problem resolves or moves.
3. **Multimeter Test:** A qualified technician can use a multimeter to test the relay's continuity and resistance to determine if it is functioning correctly.

If troubleshooting indicates a faulty relay, replacement is necessary.

## 8. WARRANTY AND SUPPORT

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All original BMW accessories, including this Multi-Purpose 4-Prong Relay, come with a limited warranty of up to 4 years or 50,000 miles when purchased from an authorized BMW dealership. Warranty terms and conditions may vary, so please retain your proof of purchase.

For technical support, warranty claims, or further assistance, please contact your authorized BMW service center or dealership. Provide them with your vehicle's VIN and the part number (61 36 6 915 327) for efficient service.