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**Shanrya 0015453405**

# Shanrya Fuel Pump Relay 0015453405 Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Shanrya Fuel Pump Relay, OEM part number 0015453405. This product is designed as a high-strength, direct replacement part for specific vehicle models, ensuring reliable fuel delivery.

### 1.1 What's in the Box

- 1 x Shanrya Fuel Pump Relay (OEM Part No. 0015453405)



**Replacement for 380SE 1984-1985**

**Replacement for 380SEC 1982-1983**

**Replacement for 380SEL 1981-1983**

**Replacement for 380SL 1981-1985**

**Replacement for 500SEC 1984-1985**

**Replacement for 500SEL 1984-1985**



Image 1.1: The Shanrya Fuel Pump Relay shown alongside a classic car, with a list of compatible vehicle models for which it serves as a direct replacement.

## 2. SETUP AND INSTALLATION

The Shanrya Fuel Pump Relay is engineered for convenient and precise installation, matching the original part's specifications and function. Professional installation is recommended.

### 2.1 Pre-Installation Checks

- Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical hazards.
- Locate the existing fuel pump relay in your vehicle. Refer to your vehicle's service manual for the exact location.
- Verify that the OEM part number 0015453405 matches the relay being replaced or is listed as a compatible part for your vehicle model.

### 2.2 Installation Steps

1. Carefully remove the old fuel pump relay from its socket.

2. Align the pins of the new Shanrya Fuel Pump Relay with the corresponding slots in the vehicle's relay socket.
3. Gently push the new relay firmly into place until it is securely seated.
4. Reconnect the vehicle's battery.
5. Start the vehicle and check for proper fuel pump operation and engine function.



Image 2.1: An angled view of the Shanrya Fuel Pump Relay, highlighting its robust construction and electrical pins designed for direct plug-in installation.

### 3. OPERATING INSTRUCTIONS

The Shanrya Fuel Pump Relay operates automatically as an integral part of your vehicle's engine management system. Its primary function is to control the electrical power supply to the fuel pump.

#### 3.1 Automatic Operation

- When the ignition is turned on, the engine control unit (ECU) sends a signal to the fuel pump relay.
- The relay then closes, allowing electrical current to flow to the fuel pump, which primes the fuel system.
- During engine operation, the relay remains closed, continuously supplying power to the fuel pump.

- If the engine stalls or the ignition is turned off, the relay opens, cutting power to the fuel pump for safety.

No manual intervention is required for the operation of this relay once correctly installed.

## 4. MAINTENANCE

The Shanrya Fuel Pump Relay is designed for durability and typically requires no routine maintenance. However, periodic visual inspection can help ensure its longevity and proper function.

### 4.1 Inspection Guidelines

- During routine vehicle service, inspect the relay and its connections for any signs of corrosion, loose wiring, or physical damage.
- Ensure the relay is securely seated in its socket.
- If any damage or excessive corrosion is observed, consider replacing the relay to prevent potential fuel system issues.



Image 4.1: Top view of the Shanrya Fuel Pump Relay, illustrating its solid ABS material construction, designed for robustness and resistance to rust.

## 5. TROUBLESHOOTING

If you experience issues with your vehicle's fuel system, the fuel pump relay could be a potential cause. Here are some common symptoms and troubleshooting steps.

### 5.1 Common Symptoms of a Faulty Fuel Pump Relay

- Engine Cranks but Does Not Start:** The fuel pump may not be receiving power to prime the system.
- Engine Stalls While Driving:** Intermittent power loss to the fuel pump can cause the engine to cut out.
- No Fuel Pump Hum:** When the ignition is turned to the 'ON' position (before starting), you should hear a brief hum from the fuel pump. Absence of this sound may indicate a relay issue.
- Check Engine Light:** Some vehicles may trigger a diagnostic trouble code related to fuel system issues.

### 5.2 Troubleshooting Steps

- Check Fuses:** Before suspecting the relay, inspect the fuel pump fuse in your vehicle's fuse box. A blown fuse will prevent the relay from receiving power.
- Inspect Connections:** Ensure the relay is fully seated and its electrical connections are clean and free of corrosion.
- Swap with a Known Good Relay:** If possible, swap the fuel pump relay with another identical, non-critical relay from your vehicle (e.g., horn relay) to see if the problem resolves or shifts.
- Professional Diagnosis:** If the issue persists after basic checks, it is recommended to consult a qualified automotive technician for a thorough diagnosis.

## 6. SPECIFICATIONS

Feature	Specification
Brand	Shanrya
OEM Part Number	0015453405
Manufacturer Part Number	Shanryazs0qrm5ad9
Material	ABS
Item Weight	100 g
Package Dimensions	9.4 x 7.4 x 4.6 cm
Operating Mode	Automatic
Mounting Type	Plug-in (Note: Amazon data also lists 'DIN Rail Mount', but visual evidence suggests a standard automotive plug-in type)
Applicable Models	380SE (1984-1985), 380SEC (1982-1983), 380SEL (1981-1983), 380SL (1981-1985), 500SEC (1984-1985), 500SEL (1984-1985)

## 7. WARRANTY INFORMATION

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Specific warranty details for the Shanrya Fuel Pump Relay 0015453405 are not provided in this manual. Please refer to the retailer or manufacturer's official website for current warranty policies and terms of service.

## **8. SUPPORT AND CONTACT**

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For technical assistance, installation queries, or further product information regarding the Shanrya Fuel Pump Relay 0015453405, please contact the retailer from whom the product was purchased. Manufacturer contact details are not provided in this manual.