

XILENY XILENY124

XILENY 03-72LE 03-72LS Auto Transmission Solenoid Instruction Manual

MODEL: XILENY124

Brand: XILENY

1. Introduction

This manual provides essential information for the installation, function, and maintenance of the XILENY 03-72LE and 03-72LS Auto Transmission Solenoids. These components are designed for specific Toyota automatic transmissions, including A42DL, A43DE, A43DL, and A47DE models. Proper installation and understanding of their function are crucial for optimal transmission performance.

2. Product Overview and Components

The XILENY 03-72LE and 03-72LS solenoids are critical components within an automatic transmission, responsible for controlling fluid flow to engage and disengage gears. This product includes a set of two solenoids.

- **One (1) Solenoid (OE NO: 0K015213B0, MR470798, 26592-57BT0):** Compatible with Kia, Mitsubishi, and Suzuki.
- **One (1) Solenoid (OE NO: 0K015213A0, MR470797, 85420-30050, 29973-57B00):** Compatible with Kia, Mitsubishi, Toyota, and Suzuki.



Image 1: Overview of the two XILENY transmission solenoids included in the package. One solenoid is a single cylindrical unit with a mounting bracket, while the other consists of two cylindrical coils mounted on a flat metal plate with electrical connectors.

3. Specifications

Feature	Detail
Product Name	03-72LE Solenoid (Set of 2)
Condition	OEM New
Quantity	2 pieces
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces
Manufacturer	XILENY
Model Number	XILENY124
Compatible Transmissions	Toyota A42DL, A43DE, A43DL, A47DE

4. Installation

Installation of transmission solenoids requires specialized knowledge and tools. It is highly recommended that installation be performed by a qualified automotive technician. Incorrect installation can lead to transmission damage or malfunction.

4.1 Compatibility Verification

Before installation, verify that these solenoids are compatible with your vehicle's transmission model. Refer to the OE numbers provided and cross-reference them with your vehicle's specifications. This product is specifically designed for Toyota A42DL, A43DE, A43DL, and A47DE transmissions.

4.2 General Installation Steps (Consult Service Manual)

1. Ensure the vehicle is safely lifted and supported.
2. Drain the transmission fluid and remove the transmission oil pan.
3. Locate the existing solenoids within the valve body.
4. Carefully disconnect electrical connectors and remove mounting bolts.

5. Remove the old solenoids.
6. Install the new XILENY solenoids, ensuring proper seating and connection.
7. Reinstall the transmission oil pan with a new gasket and refill with the correct type and amount of transmission fluid.
8. Perform necessary diagnostic checks and fluid level adjustments.

Note: Always refer to your vehicle's specific service manual for detailed, step-by-step instructions and torque specifications.



Image 2: A closer view of the two solenoids, highlighting the electrical connectors and mounting points. The single solenoid has a black body and a light beige base, while the dual-coil solenoid is mounted on a golden-colored plate.

5. Operation (Function)

Once installed, the solenoids operate automatically as part of the transmission's electronic control system. They receive electrical signals from the Transmission Control Unit (TCU) to precisely regulate the flow of transmission fluid. This fluid pressure is essential for engaging and disengaging clutch packs and bands, allowing the transmission to shift gears smoothly and efficiently according to driving conditions.

- **Shift Solenoids:** Control the timing and pressure of fluid to facilitate gear changes.
- **Lock-up Solenoids:** Control the engagement of the torque converter clutch for improved fuel efficiency.

Proper functioning of these solenoids is critical for correct gear selection, smooth shifts, and overall transmission health.

6. Maintenance

Transmission solenoids themselves are not typically subject to routine maintenance. Their longevity is primarily dependent on the overall health of the transmission and the quality of the transmission fluid. To ensure optimal performance and extend the life of your solenoids and transmission:

- **Regular Fluid Changes:** Adhere to your vehicle manufacturer's recommended schedule for transmission fluid and filter changes. Contaminated or degraded fluid is a leading cause of solenoid failure.
- **Use Correct Fluid:** Always use the specific type of transmission fluid recommended by your vehicle manufacturer.
- **Monitor Fluid Levels:** Regularly check transmission fluid levels and top up as necessary.
- **Address Issues Promptly:** If you notice any unusual shifting behavior, delays, or warning lights, have your transmission inspected by a qualified technician immediately.

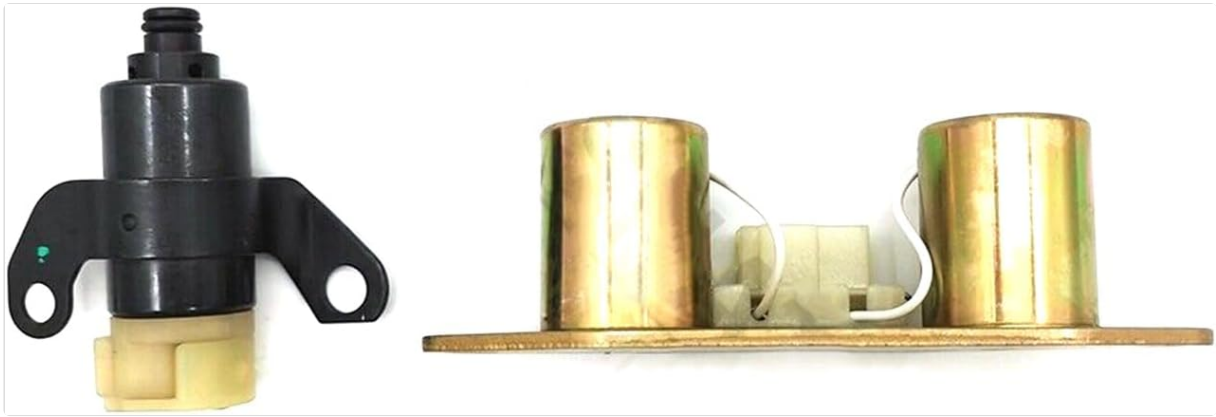


Image 3: Side profile view of the two solenoids. The single solenoid stands upright, while the dual-coil solenoid shows its coils extending upwards from the mounting plate.

7. Troubleshooting

Malfunctioning transmission solenoids can manifest in various ways. If you experience any of the following symptoms, it may indicate a solenoid issue or another transmission problem. Professional diagnosis is recommended.

- **Delayed or Harsh Shifting:** The transmission may hesitate to shift gears or shift abruptly.
- **No Shifting:** The transmission may remain in a single gear or fail to engage any gear.
- **Slipping Gears:** The transmission may feel like it's losing power or "slipping" between gears.
- **Check Engine Light:** A diagnostic trouble code (DTC) related to transmission solenoids may be stored, illuminating the check engine light.
- **Transmission Overheating:** Incorrect fluid pressure or shifting can lead to increased heat.

If any of these symptoms occur, consult a qualified mechanic for proper diagnosis using specialized diagnostic equipment. Attempting repairs without proper knowledge can cause further damage.

8. Support

For technical assistance or inquiries regarding XILENY products, please refer to the contact information provided by your retailer or the official XILENY support channels. When contacting support, please have your product model number (XILENY124) and vehicle information readily available.