

POPSTORE U140E U240E U241E

POPSTORE U140E U240E U241E Transmission Shift Solenoid Kit Instruction Manual

Model: U140E, U240E, U241E

Brand: POPSTORE

1. INTRODUCTION

This manual provides essential information for the POPSTORE U140E, U240E, U241E Transmission Shift Solenoid Kit. It covers product overview, compatibility, installation considerations, and general maintenance guidelines. This kit is designed to replace original equipment shift solenoids in compatible Toyota and Lexus vehicles, restoring proper transmission function.

2. PRODUCT OVERVIEW

The POPSTORE Transmission Shift Solenoid Kit includes a set of refurbished solenoids critical for the automatic transmission's operation. These solenoids regulate fluid flow to control gear changes, ensuring smooth and efficient shifting.

Package Contents:

- 1 x Refurbished Transmission Solenoids Kit (specific number of solenoids may vary based on application, typically includes multiple shift solenoids and a lock-up solenoid).



Image 2.1: Overview of the transmission shift solenoid kit components.

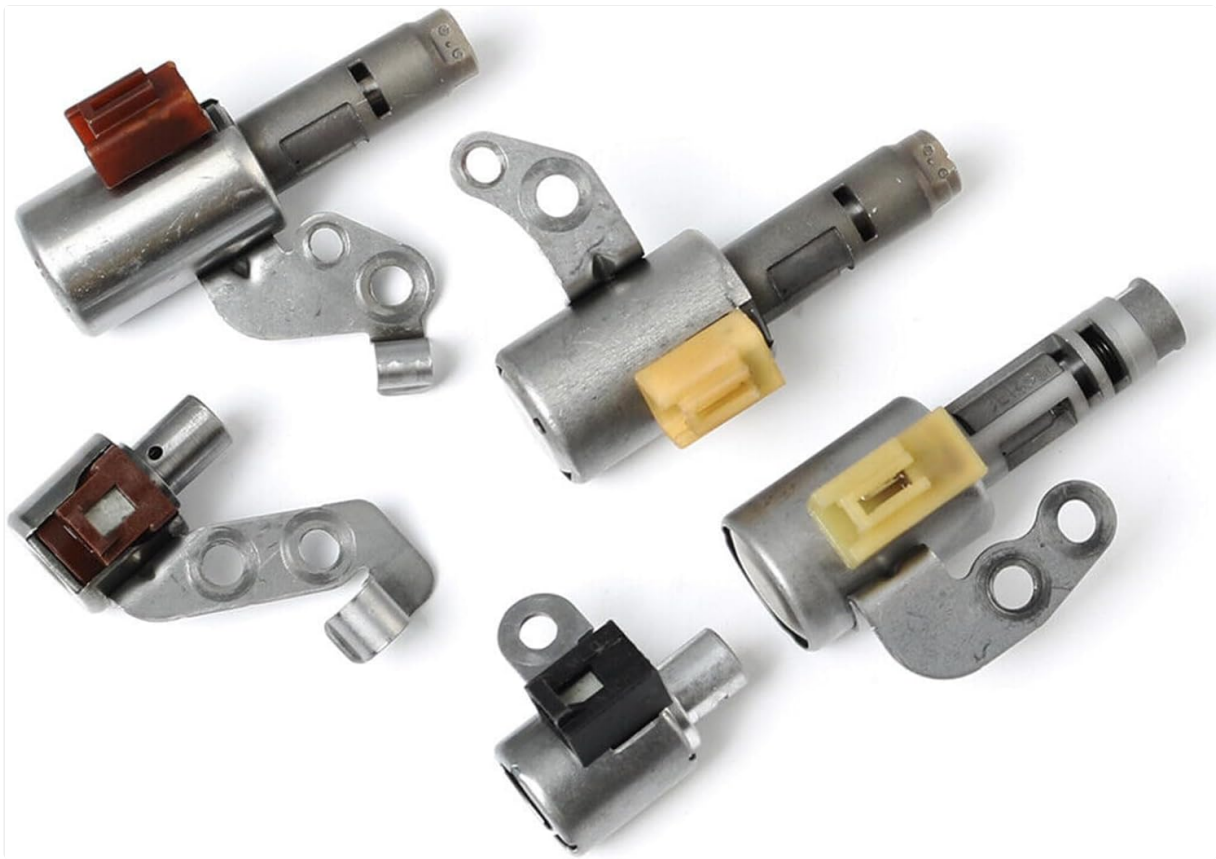


Image 2.2: Detailed view of individual solenoids from the kit.



Image 2.3: Additional view of the solenoid kit, showing various angles.

3. COMPATIBILITY AND FITMENT

This transmission shift solenoid kit is compatible with specific Toyota and Lexus models equipped with U140E,

U240E, or U241E transmissions. Please verify your vehicle's transmission type and part numbers before installation.

Part Numbers: U140E, U240E, U241E, U240, U140, 35240-32010, 35290-21010

Compatible Vehicle Models:

- 2001-2003 Toyota RAV4 2.0L
- 2001-2003 Toyota Solara 3.0L
- 2003-2005 Toyota Matrix 1.8L
- 2001-2002 Toyota Highlander 2.4L
- 2001-2002 Toyota Highlander 3.0L
- 2002-2003 Toyota Camry 3.0L
- 2002-2003 Toyota Camry 2.4L
- 2000-2002 Toyota Celica 1.8L
- 1999-2002 Lexus RX300 3.0L
- 1999-2001 Lexus ES300 3.0L

Note: Always cross-reference with your vehicle's specific part numbers and consult a professional if unsure about compatibility.

4. INSTALLATION GUIDELINES

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

General Steps (for reference only; consult a professional service manual for detailed, vehicle-specific instructions):

1. Safely lift and secure the vehicle.
2. Drain the transmission fluid.
3. Remove the transmission oil pan and filter.
4. Locate and identify the faulty shift solenoids within the valve body.
5. Carefully disconnect electrical connectors and remove retaining clips/bolts.
6. Replace the old solenoids with the new POPSTORE solenoids, ensuring correct orientation and secure connections.
7. Reinstall the transmission filter and oil pan with a new gasket.
8. Refill the transmission with the manufacturer-specified type and amount of transmission fluid.
9. Perform necessary diagnostic procedures (e.g., clearing fault codes, performing a quick learn procedure) as per the vehicle's service manual.

Important Safety Precautions:

- Always wear appropriate personal protective equipment (PPE).
- Ensure the vehicle is stable and properly supported before working underneath.
- Allow the transmission to cool before servicing to prevent burns from hot fluid.
- Dispose of old transmission fluid and parts responsibly.

5. OPERATION

Once installed, the shift solenoids operate under the control of the vehicle's Transmission Control Module (TCM) or Engine Control Unit (ECU). They open and close fluid passages within the transmission's valve body, directing hydraulic pressure to engage and disengage different gear sets. Proper functioning solenoids ensure smooth,

timely, and correct gear shifts according to driving conditions and driver input.

6. MAINTENANCE

The shift solenoids themselves are generally not subject to routine maintenance. Their longevity is primarily influenced by the overall health of the transmission and the quality of the transmission fluid. To ensure optimal performance and extend the life of your transmission components, including the solenoids:

- **Regular Fluid Changes:** Adhere to the vehicle manufacturer's recommended schedule for transmission fluid and filter changes. Using the correct type of fluid is crucial.
- **Monitor Fluid Levels:** Periodically check transmission fluid levels and top up as needed, ensuring it is within the specified range.
- **Address Issues Promptly:** Any signs of transmission trouble, such as delayed shifts, harsh shifts, or warning lights, should be investigated by a qualified technician immediately.

7. TROUBLESHOOTING

If you experience transmission issues after solenoid replacement, or if you suspect solenoid malfunction, consider the following general troubleshooting points. Professional diagnosis is always recommended.

Common Symptoms of Faulty Shift Solenoids:

- Delayed or harsh gear shifts.
- Transmission slipping out of gear.
- Failure to shift into certain gears.
- Check Engine Light (CEL) illuminated with transmission-related diagnostic trouble codes (DTCs).
- Transmission entering "limp mode."

Troubleshooting Steps (Professional Assistance Recommended):

1. **Scan for DTCs:** Use an OBD-II scanner to retrieve any stored transmission-related fault codes.
2. **Check Fluid Level and Condition:** Ensure transmission fluid is at the correct level and is not burnt or contaminated.
3. **Inspect Wiring:** Verify that all electrical connectors to the solenoids are securely attached and that wiring is free from damage.
4. **Professional Diagnosis:** If symptoms persist, a qualified technician can perform advanced diagnostics, including electrical tests of the solenoids and valve body inspection.

If you are unsure or don't know how to proceed, please contact POPSTORE customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Part Numbers	U140E, U240E, U241E, 35240-32010, 35290-21010
Material	High-quality aluminum
Item Weight	1.92 pounds
Package Dimensions	9.17 x 7.48 x 1.93 inches
Condition	Refurbished

9. WARRANTY AND SUPPORT

POPSTORE is committed to providing quality products. If you encounter any issues or have questions regarding the installation, compatibility, or performance of your transmission shift solenoid kit, please do not hesitate to contact POPSTORE customer support. We are available to assist you with your concerns.

For support, please refer to the contact information provided with your purchase or visit the official POPSTORE website.

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