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Model: JF011E

1. PRODUCT OVERVIEW

This manual provides essential information for the coolautocore 9PCS CVT JF011E RE0F10A F1CJA Valve Body Solenoids. This kit is designed to replace critical components within the Continuously Variable Transmission (CVT) valve body, ensuring proper transmission function and vehicle performance.

The kit includes 8 solenoids and a wiring harness, crucial for regulating fluid pressure and clutch engagement within the transmission.



Image 1: Complete coolautocore JF011E CVT Valve Body Solenoids Kit. This image displays all 9 components included in the kit, featuring the wiring harness assembly and the individual solenoids.

2. COMPATIBILITY

This valve body solenoid kit is compatible with the following vehicle models and engine types:

- **Nissan Altima:** L4 2.5L (QR25DE Engine) - Model Years 2009-2012
- **Nissan Rogue:** L4 2.5L (QR25DE Engine) AWD - Model Years 2009-2012
- **Nissan Sentra:** L4 2.0L (MR20DE Engine) / 2.5L (QR25DE Engine) - Model Years 2007-2012
- **Dodge Caliber:** Model Years 2007-2012

Important: Always verify compatibility with your vehicle's specific year, make, model, and OEM part numbers (JF011E, 4710, 321421A-EM, 33435J, D33439N, 203452A, G7T23082, S98530, 33446-JF011, 33420XX1) before purchase and installation.

3. SAFETY INFORMATION AND INSTALLATION GUIDELINES

Installation of transmission components requires specialized knowledge and tools. It is highly recommended that this product be installed by a qualified automotive technician.

- **Personal Protective Equipment:** Always wear appropriate eye protection and other personal protective equipment during any automotive repair or installation process.
- **Tools:** Ensure you have the correct installation tools before beginning.
- **Professional Assistance:** If you are unsure about any step of the installation process, consult a professional mechanic.
- **Reference Materials:** Refer to vehicle-specific service manuals or reputable online resources for detailed installation procedures. Searching for related installation videos online is also recommended.

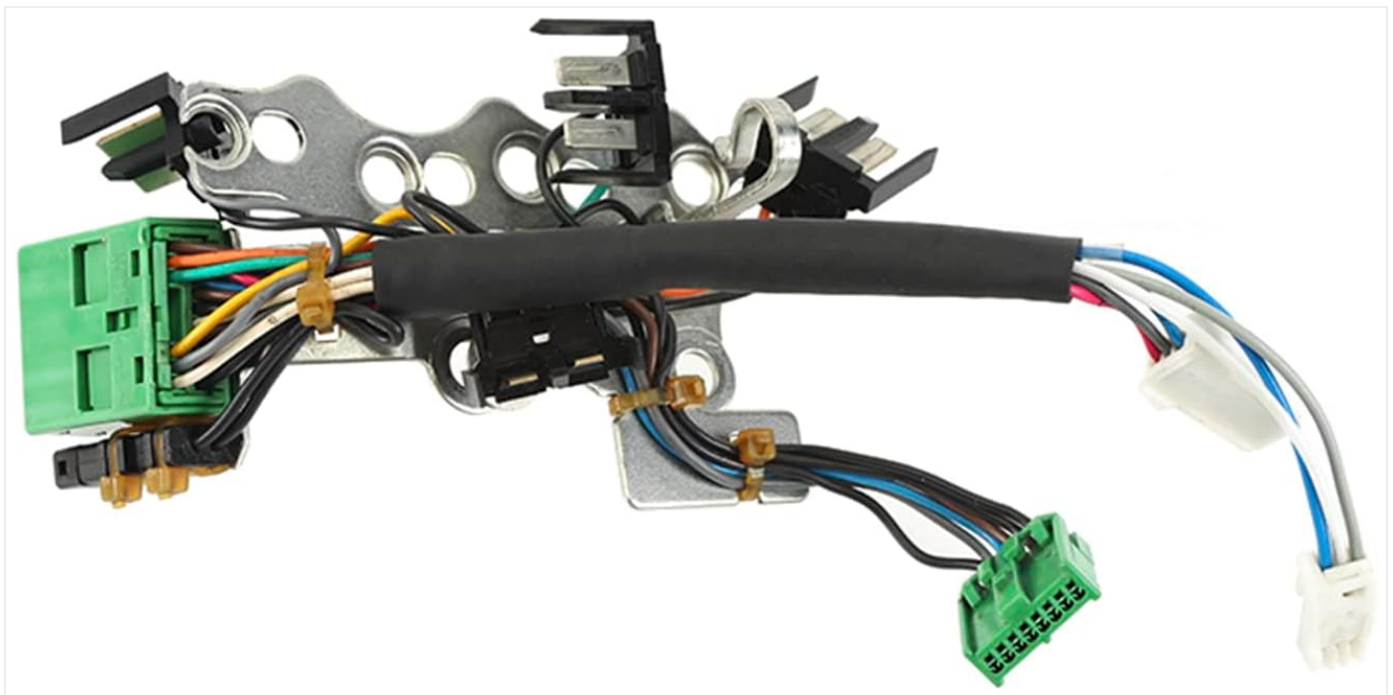


Image 2: Close-up of the JF011E Valve Body Wiring Harness. This image highlights the intricate wiring and connectors that integrate the solenoids into the transmission's control system.

4. OPERATING PRINCIPLES

The JF011E CVT valve body solenoids are integral to the proper functioning of the Continuously Variable Transmission. These solenoids control the hydraulic pressure that manages the movement of the transmission's pulleys, thereby changing the gear ratio. Proper operation of these solenoids ensures smooth acceleration, efficient power delivery, and optimal fuel economy.

Malfunctioning solenoids can lead to various transmission issues, including erratic shifting, slipping, or complete loss of drive. This replacement kit is designed to restore the transmission's hydraulic control to factory specifications.

5. MAINTENANCE

These solenoids are designed for long-term reliability within the transmission system. Regular maintenance for the transmission itself is crucial for the longevity of all internal components, including the valve body solenoids.

- **Transmission Fluid:** Ensure the transmission fluid is maintained at the correct level and replaced according to your vehicle manufacturer's recommended service intervals. Use only the specified type of CVT fluid.
- **Fluid Quality:** Contaminated or degraded transmission fluid can negatively impact solenoid performance and overall transmission health.
- **Professional Inspection:** Have your transmission inspected periodically by a qualified technician to identify and address potential issues early.

6. TROUBLESHOOTING COMMON ISSUES

If you experience transmission issues after installation or suspect solenoid malfunction, consider the following general troubleshooting steps:

- **Diagnostic Trouble Codes (DTCs):** Use an OBD-II scanner to check for any stored transmission-related diagnostic trouble codes. These codes can provide valuable clues about the nature of the problem.
- **Fluid Level and Condition:** Verify that the transmission fluid level is correct and that the fluid is clean and free from burnt odors or excessive debris.
- **Wiring Connections:** Inspect all electrical connections to the solenoids and the valve body harness for secure fitment and absence of corrosion or damage.
- **Professional Diagnosis:** For complex or persistent transmission problems, it is essential to seek diagnosis and repair from a certified automotive transmission specialist.

7. SPECIFICATIONS

Feature	Specification
Model Number	JF011E
OEM Part Numbers	JF011E, 4710, 321421A-EM, 33435J, D33439N, 203452A, G7T23082, S98530, 33446-JF011, 33420XX1
Brand	coolautocore
Material	Metal or Metal Alloy
Number of Solenoids	8 (plus 1 wiring harness)
Item Weight	1.57 pounds
Package Dimensions	5.08 x 5.04 x 3.62 inches
UPC	753326497336

8. WARRANTY INFORMATION

Specific warranty details for this product are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please contact the seller or manufacturer directly at the time of purchase. Retain your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

If you have questions regarding product compatibility, installation, or require technical assistance, please contact your point of purchase or the coolautocore customer support. When contacting support, please be prepared to provide the

following information:

- Vehicle Identification Number (VIN)
- Vehicle Year, Make, and Model
- Product Model Number (JF011E)
- Description of the issue

This information will help us to provide accurate and timely assistance.

