ACDelco 24244062

Instruction Manual

ACDelco GM Original Equipment Remanufactured Automatic Transmission Control Valve Body Assembly

Model: 24244062

1. Product Overview

The ACDelco GM Original Equipment Remanufactured Automatic Transmission Valve Body is a critical component within an automatic transmission system. It functions as the hydraulic control unit, directing hydraulic fluid through various channels, spool valves, and check valves to facilitate precise gear changes and smooth operation of the transmission.

This remanufactured unit undergoes a rigorous process that involves disassembling existing units, replacing components prone to wear with new parts, and ensuring damaged or obsolete parts are replaced. Each unit is end-of-line tested to meet ACDelco specifications, ensuring performance, durability, and service life comparable to new General Motors original equipment.



Figure 1: Overall view of the ACDelco GM Automatic Transmission Control Valve Body Assembly. This image shows the complex network of channels and solenoids that manage hydraulic fluid flow for gear changes.

2. Installation and Setup

Installation of an automatic transmission valve body is a complex procedure that requires specialized tools, knowledge, and experience. It is highly recommended that this component be installed by a certified automotive technician or a qualified professional.

2.1 Pre-Installation Checks

- Ensure the vehicle's battery is disconnected before beginning any work on the transmission.
- Verify that the replacement valve body (Model: 24244062) matches the specifications for your vehicle's transmission.
- Inspect the new valve body for any visible shipping damage or missing components.
- Have new transmission fluid and a new transmission filter readily available, as these will typically need to be replaced during the process.

2.2 Installation Procedure (Professional Recommended)

1. Safely lift and secure the vehicle on a hoist or jack stands.

2. Drain the transmission fluid and remove the transmission pan.
3. Carefully disconnect electrical connectors and mounting bolts securing the old valve body.
4. Remove the old valve body, taking care to avoid spilling residual fluid.
5. Install the new ACDelco remanufactured valve body, ensuring all electrical connections are secure and bolts are torqued to manufacturer specifications.
6. Replace the transmission filter and gasket, then reattach the transmission pan.
7. Refill the transmission with the correct type and amount of new transmission fluid as specified by the vehicle manufacturer.
8. Reconnect the battery and perform any necessary diagnostic scans or fluid level checks as per vehicle service manual.

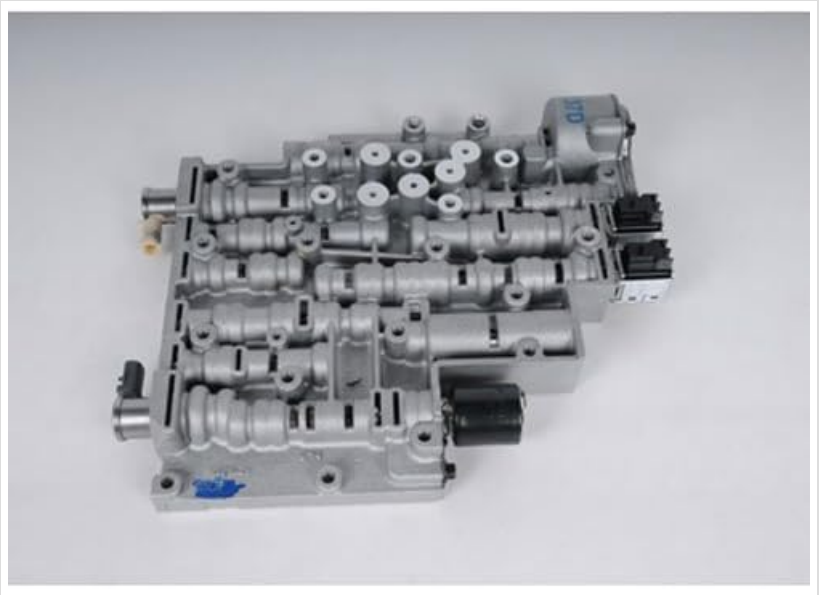


Figure 2: Top view of the valve body, showing the various solenoids and fluid passages. Proper connection of all electrical components is crucial for correct operation.

3. Operation and Function

The automatic transmission valve body is not an externally operated component; rather, it is an integral part of the vehicle's automatic transmission system. Its operation is entirely internal and controlled by the vehicle's Transmission Control Module (TCM) or Powertrain Control Module (PCM).

The valve body's primary function is to regulate and distribute hydraulic pressure (from the transmission fluid pump) to various clutch packs and bands within the transmission. This precise hydraulic control enables the transmission to shift gears smoothly and efficiently, adapting to driving conditions and driver input. The solenoids on the valve body are electronically controlled to open and close specific fluid passages, directing fluid to engage or disengage different gears.



Figure 3: A close-up view highlighting the electrical solenoids on the valve body. These solenoids are crucial for electronically controlling fluid flow and gear engagement.

4. Maintenance

As an internal component of the transmission, the valve body itself does not require routine maintenance. Its longevity and proper function are heavily dependent on the overall health and maintenance of the automatic transmission system.

4.1 Transmission Fluid Management

- **Fluid Quality:** Ensure that the transmission fluid is always at the correct level and is clean. Contaminated or low fluid levels can lead to excessive wear on internal transmission components, including the valve body.
- **Fluid Changes:** Adhere to the vehicle manufacturer's recommended schedule for transmission fluid and filter changes. This is crucial for preventing sludge buildup and maintaining proper hydraulic function.

4.2 Professional Inspections

- Regularly have your vehicle's transmission inspected by a qualified technician. They can identify potential issues early and recommend preventative measures.
- Address any unusual transmission behavior (e.g., delayed shifts, harsh shifts, slipping) promptly, as these can indicate underlying problems that may affect the valve body.

5. Troubleshooting

Problems with the automatic transmission valve body typically manifest as issues with gear shifting or overall transmission performance. If you experience any of the following symptoms, it is advisable to have your vehicle inspected by a professional technician.

Common Valve Body Related Symptoms

Symptom	Possible Cause (Valve Body Related)	Recommended Action
Harsh or Delayed Shifts	Sticking valves, worn solenoids, or clogged fluid passages within the valve body.	Professional diagnostic scan; inspect transmission fluid condition.
Transmission Slipping	Insufficient hydraulic pressure due to valve body issues, leading to clutch pack disengagement.	Check transmission fluid level and quality; professional inspection.
No Engagement in Drive or Reverse	Severe valve body malfunction preventing fluid flow to engage gears.	Immediate professional diagnosis required.
Check Engine Light / Transmission Warning Light	Fault codes related to transmission solenoids or pressure sensors.	Retrieve diagnostic trouble codes (DTCs) using an OBD-II scanner.

Note: Many transmission issues can have multiple causes. A professional diagnosis is essential to accurately identify the root cause of any problem.

6. Specifications

Attribute	Detail

Attribute	Detail
Product Name	Automatic Transmission Control Valve Body Assembly
Brand	ACDelco (Remanufactured by Amazon Renewed)
Model Number	24244062
Manufacturer Part Number	24244062
OEM Part Number	24244062
Item Weight	1 pounds
Product Dimensions (L x W x H)	13 x 12.8 x 4.6 inches
Inlet Connection Type	Threaded
Outlet Connection Type	NPT
Number of Ports	3
Outlet Connection Size	12.8 Inches
Valve Type	Multi Port Valve
UPC	707773356395
ASIN	B0016J1O4K

6.1 What's in the Box

- 1 x ACDelco Automatic Transmission Control Valve Body Assembly (Part Number: 24244062)

7. Warranty and Support

This product is a remanufactured item sold under the Amazon Renewed program. For specific warranty details, return policies, or technical support related to this remanufactured unit, please refer to the Amazon Renewed program terms and conditions or contact Amazon customer service directly.

For general technical inquiries regarding ACDelco GM Original Equipment parts, you may visit the official ACDelco website or consult a certified GM service center.

Amazon Renewed Support: Visit Amazon Renewed Help

ACDelco Official Website: www.acdelco.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question