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GM Parts 15854941

ACDelco GM Genuine Parts 15854941 Engine Mount User Manual

Brand: GM Parts | Model: 15854941

1. INTRODUCTION

This manual provides essential information for the ACDelco GM Genuine Parts 15854941 Engine Mount. This component is designed, engineered, and tested to rigorous standards by General Motors, ensuring it meets the true Original Equipment (OE) specifications for GM vehicles. It is crucial for maintaining engine stability and reducing vibrations within the vehicle chassis.

The 15854941 Engine Mount is compatible with various GM models, including: 2011-2014 Cadillac Escalade, Escalade ESV; 2008-2010 Cadillac Escalade ESV; 2007-2010 Cadillac Escalade; 2007-2014 Chevrolet Suburban 1500, Tahoe; 2011-2013 Chevrolet Avalanche; 2010-2013 Chevrolet Silverado 1500; 2008-2013 Chevrolet Silverado 1500, Tahoe; 2010-2012 Chevrolet Suburban 1500; 2008-2009 Chevrolet Tahoe.

2. PRODUCT OVERVIEW

The ACDelco GM Genuine Parts 15854941 Engine Mount is a critical component designed to secure the engine and transmission to the vehicle's subframe, absorbing vibrations and shocks produced by the engine. Key features include:

- **Tuned specifically to match your model vehicle:** Ensures optimal performance and vibration dampening for compatible GM vehicles.
- **Designed to function with all surrounding components:** Guarantees correct bolt alignment and prevents interference with other vehicle parts.
- **Interlocks using sturdy steel:** Provides robust support for the engine, enhancing safety in various driving conditions.
- **GM-recommended replacement part:** Ensures compatibility and performance equivalent to the original factory component.
- **Offers GM OE quality, reliability, and durability:** Manufactured to the high standards expected of genuine GM parts.



Figure 2.1: Front view of the ACDelco GM Genuine Parts 15854941 Engine Mount, showcasing its robust construction and mounting points.



Figure 2.2: Top view of the engine mount, highlighting the heat shield and bolt locations for secure attachment.



Figure 2.3: Side view of the engine mount, illustrating the rubber dampening material and overall profile.

3. SPECIFICATIONS

| Attribute | Detail |
|--------------------------------|---------------------------|
| Mounting Type | In-Vehicle Mount |
| Manufacturer | ACDelco |
| UPC | 808709359371 |
| Model Number | 15854941 |
| Item Weight | 5.73 pounds |
| Product Dimensions (L x W x H) | 8.07 x 8.07 x 8.07 inches |
| Material | Steel |
| OEM Part Number | 15854941 |
| Date First Available | June 26, 2015 |

4. INSTALLATION (SETUP)

Installation of an engine mount is a complex procedure that typically requires specialized tools and automotive knowledge. It is strongly recommended that this procedure be performed by a certified professional mechanic or an individual with extensive experience in automotive repair.

4.1. General Considerations

- **Safety First:** Always ensure the vehicle is securely supported on jack stands or a lift. Disconnect the battery before beginning work.
- **Engine Support:** The engine will need to be supported or lifted during the removal and installation process. This often involves using an engine hoist or a hydraulic jack with a wooden block to distribute pressure.
- **Access:** Gaining access to the engine mount bolts can be challenging, often requiring removal of other components such as exhaust pipes, heat shields, or various engine accessories.
- **Torque Specifications:** All bolts must be tightened to the manufacturer's specified torque settings. Refer to your vehicle's service manual for precise values.
- **Heat Shield:** The engine mount includes a heat shield. It may arrive slightly bent due to shipping, which is normal and can be gently reshaped by hand during installation to ensure proper fitment and protection.

4.2. Recommended Tools (Typical)

- Vehicle lift or sturdy jack stands
- Hydraulic jack with wooden block or engine hoist
- Socket wrench set (metric and/or SAE, including deep sockets)
- Torque wrench
- Pry bar (for alignment)
- Penetrating oil (for rusted bolts)
- Safety glasses and gloves

Disclaimer: This section provides general guidance. Always consult your specific vehicle's service manual for detailed, model-specific installation instructions and safety precautions. Improper installation can lead to vehicle damage or personal injury.

5. OPERATION

The ACDelco GM Genuine Parts 15854941 Engine Mount operates passively as a structural and dampening component. Once correctly installed, it performs two primary functions:

- **Engine Support:** It securely holds the engine and transmission in their correct positions within the vehicle's engine bay, preventing excessive movement during acceleration, braking, and cornering.
- **Vibration Dampening:** The internal rubber or hydraulic components of the mount absorb vibrations and noise generated by the engine, preventing them from being transmitted into the vehicle's chassis and passenger cabin. This contributes to a smoother and quieter ride.

There are no user-operable controls or settings associated with the engine mount itself. Its function is continuous and integral to the vehicle's structural integrity and ride comfort.

6. MAINTENANCE

The ACDelco GM Genuine Parts 15854941 Engine Mount is designed for long-term durability and typically requires no routine user maintenance. However, periodic inspection is recommended as part of your vehicle's overall maintenance schedule.

6.1. Inspection Guidelines

- **Visual Check:** During routine vehicle inspections (e.g., oil changes), visually inspect the engine mounts for signs of wear, cracking, or separation of the rubber components. Look for fluid leaks if it is a hydraulic mount.
- **Excessive Movement:** If you notice excessive engine movement when shifting gears, accelerating, or braking, it could indicate a worn engine mount.
- **Noise and Vibration:** Increased vibration felt through the steering wheel, floor, or seats, or new clunking/thumping noises during engine start-up, shut-down, or acceleration, may signal a failing mount.

If any signs of wear or damage are observed, it is advisable to have the engine mount inspected by a qualified mechanic. Early detection and replacement of a worn mount can prevent further damage to other vehicle components.

7. TROUBLESHOOTING

Symptoms of a failing engine mount can often be mistaken for other vehicle issues. Below are common indicators and potential causes related to the engine mount:

| Symptom | Possible Cause (Engine Mount Related) | Action |
|---|--|--|
| Excessive Engine Vibration | Degraded or collapsed rubber in the mount, allowing engine vibrations to transfer directly to the chassis. | Inspect mounts for cracks or separation. Consider professional diagnosis and replacement. |
| Loud Clunking or Thumping Noises | Broken or completely separated mount, allowing the engine to physically hit the subframe or other components during acceleration, braking, or rough road conditions. | Immediately have the vehicle inspected by a professional. This indicates a severe mount failure. |
| Engine Movement During Shifting/Acceleration | Worn mount unable to adequately restrain engine torque, leading to noticeable engine lift or shift. | Inspect mounts for excessive play. Professional assessment is recommended. |
| Misaligned Engine/Transmission | Severe mount failure can cause the engine or transmission to sag, leading to misalignment with other drivetrain components. | Urgent professional inspection and repair required to prevent further damage. |

If you experience any of these symptoms, it is recommended to have your vehicle inspected by a qualified mechanic to accurately diagnose the issue and ensure proper repair.

8. WARRANTY INFORMATION

For specific warranty details regarding the ACDelco GM Genuine Parts 15854941 Engine Mount, please refer to the official warranty documentation provided by General Motors or ACDelco at the time of purchase. Warranty terms and conditions, including coverage period and claim procedures, are subject to manufacturer policies and may vary. It is advisable to retain your proof of purchase for any warranty claims.

9. SUPPORT

Should you require technical assistance, have questions about product compatibility, or need to report an issue, please contact GM Parts or ACDelco customer support through their official channels. You may find contact information on their official websites or through authorized dealerships and service centers.

When contacting support, please have the following information ready:

- Product Model Number: **15854941**
- Vehicle Year, Make, and Model
- Date and Place of Purchase
- A clear description of your inquiry or issue