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> A-Premium Front Engine Motor Mount Kit Installation and Maintenance Guide (Model A5390)

## A-Premium A5390

# A-Premium Front Engine Motor Mount Kit Installation and Maintenance Guide

Model: A5390

## 1. INTRODUCTION

This manual provides essential information for the A-Premium Front Engine Motor Mount Kit, Model A5390. This kit is designed to replace worn or damaged engine mounts in compatible vehicles, ensuring proper engine stability and reducing vibration. Adherence to these instructions will help ensure correct installation and optimal performance.



Image: A selection of A-Premium engine mounts, highlighting their function in stabilizing the engine and absorbing vibrations

during vehicle operation.

## 2. PRODUCT OVERVIEW AND COMPONENTS

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The A-Premium Front Engine Motor Mount Kit (Model A5390) includes two front engine motor mounts. These components are manufactured to meet or exceed original equipment (OE) specifications, providing a direct fit replacement for your vehicle.

### Package Contents:

- 2x Front Engine Motor Mount (A5390)

### Reference Part Numbers:

- A5390
- 3138
- EM-3138
- EM3138
- 4578046AC
- 4578046AD
- 4578046AE
- 4578046AF
- 4578193AE
- 4578194AC
- 4578194AD
- 4578194AE



Image: The A-Premium Front Engine Motor Mount Kit, showing both mounts and the product box.



## ENGINE MOUNT REPLACEMENT



Engine Motor Mount-Front  
Ref No. **A5390**



Engine Motor Mount-Front  
Ref No. **A5390**

Image: Detailed view of the two front engine motor mounts included in the kit.

### 3. VEHICLE FITMENT

This A-Premium Front Engine Motor Mount Kit is compatible with the following vehicle models and engine configurations:

- **Chrysler 300:**
  - 2005 V8 6.1L
  - 2005-2010 V8 5.7L (RWD)
  - 2005-2010 V8 5.7L
  - 2007 V8 6.1L
- **Dodge Challenger:**
  - 2009-2010 V8 5.7L

- **Dodge Charger:**

- 2006-2010 V8 5.7L (RWD)
- 2007-2010 V8 5.7L (AWD)
- 2007 V8 6.1L

- **Dodge Magnum:**

- 2005-2008 V8 5.7L (RWD)
- 2005-2008 V8 5.7L (AWD)
- 2007 V8 6.1L

## 4. KEY FEATURES AND BENEFITS

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A-Premium engine mounts are engineered for reliability and performance, offering several key advantages:

- **Maximum Life & Performance:** Designed for extended durability and consistent operation.
- **High Strength and Durability:** Constructed from robust materials to withstand engine stresses.
- **Superior Rubber-To-Metal Bond:** Ensures strong adhesion and effective vibration dampening.
- **Meets or Exceeds OEM Standards:** Manufactured to strict quality control standards for a reliable fit and function.
- **Perfect Fit:** Engineered for specific vehicle applications to ensure seamless integration.
- **Long-Lasting:** Built to provide enduring support for your engine.



Image: A-Premium engine mounts are designed to meet OE specifications, ensuring durability and a precise fit.



Image: Detail of the sturdy and durable construction of an A-Premium engine mount.

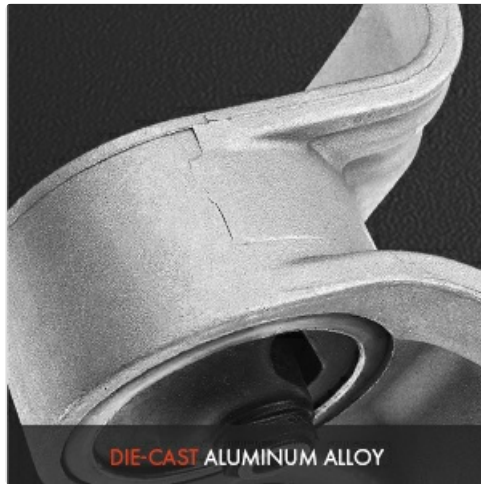


Image: The die-cast aluminum alloy construction of the engine mount.



Image: The steel components used in the construction of the engine mount.

## 5. SIGNS OF DEFECTIVE ENGINE MOUNTS

Engine mounts are critical for vehicle performance and comfort. Over time, they can wear out and require replacement. Common indicators of defective engine mounts include:

- **Noisy Sounds:** Clunking, banging, or thumping noises, especially during acceleration, braking, or shifting

gears.

- **Excessive Vibration:** Increased vibration felt through the steering wheel, floor, or seats, particularly at idle or specific RPMs.
- **Engine Damage:** In severe cases, a completely failed mount can allow the engine to shift excessively, potentially damaging other components.
- **Rocky Start:** The engine may rock or lurch noticeably when starting or shutting off the vehicle.

## WHAT ARE THE SIGNS OF THE DEFECTIVE ENGINE MOUNTS?



Noisy Sounds



Excessive Vibration



Engine Damage



Rocky Start

Engine mounts may become worn out after a while and may require a replacement.

Image: Common symptoms indicating the need for engine mount replacement, such as noise and vibration.

## 6. INSTALLATION (SETUP)

Replacing engine mounts requires specific tools and mechanical knowledge. It is crucial to follow the correct procedures to ensure safety and proper function.

### General Installation Guidance:

1. **Consult Vehicle-Specific Manual:** Always refer to your vehicle's official shop manual for detailed, model-specific instructions, torque specifications, and safety precautions.
2. **Safety First:** Ensure the vehicle is securely supported on jack stands or a lift. Disconnect the battery if necessary.
3. **Support Engine:** Use an engine hoist or a jack with a wooden block to support the engine's weight before removing any mounts.
4. **Remove Old Mounts:** Carefully unbolt and remove the old engine mounts. Note their orientation for correct installation of the new parts.
5. **Install New Mounts:** Position the new A-Premium engine mounts and hand-tighten the bolts.
6. **Torque to Specification:** Refer to your vehicle's shop manual for the correct torque values for all bolts. Tighten them to specification.

7. **Lower Engine:** Slowly lower the engine, ensuring all mounts seat correctly.
8. **Final Checks:** Reconnect any disconnected components and perform a visual inspection to ensure everything is secure.

**Attention: Please use the appropriate shop manual for your vehicle to obtain specific instructions. If you do not have an installation manual or enough skills to install this part, it is recommended that you seek help from a qualified mechanic.**

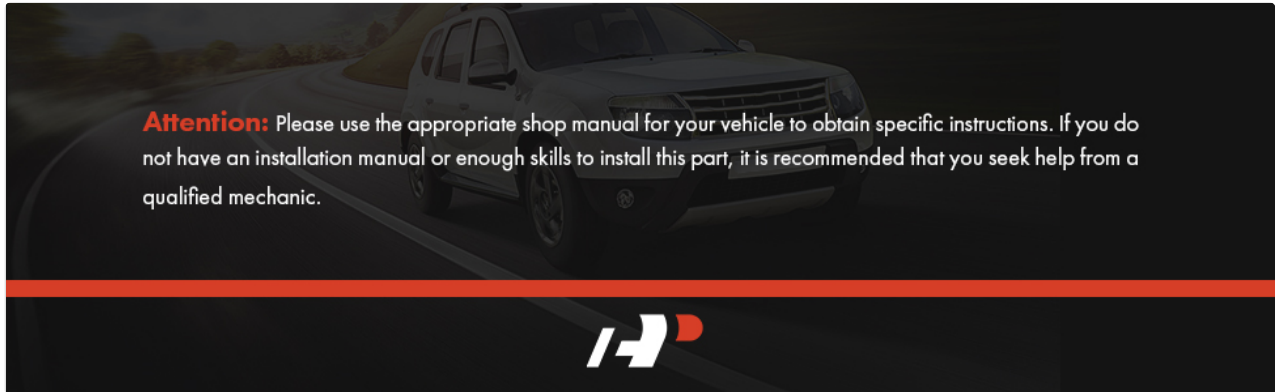


Image: Important safety and installation guidance, emphasizing the need for a vehicle-specific shop manual or professional assistance.

## 7. OPERATING CONSIDERATIONS

Once installed, the A-Premium engine mounts will help restore proper engine stability and reduce vibrations. No special operating procedures are required beyond normal vehicle use. If you notice any unusual noises or vibrations after installation, refer to the troubleshooting section.

## 8. MAINTENANCE

Engine mounts are generally maintenance-free components. However, regular vehicle inspections can help identify potential issues early:

- **Visual Inspection:** During routine oil changes or other under-car inspections, visually check the engine mounts for cracks, tears in the rubber, or excessive sagging.
- **Check for Leaks:** Some hydraulic engine mounts can leak fluid. Inspect for any signs of fluid leakage around the mounts.
- **Listen for Noises:** Pay attention to any new or unusual noises or vibrations coming from the engine bay.

Promptly address any signs of wear or damage to prevent further issues and maintain vehicle performance.

## 9. TROUBLESHOOTING

If you experience issues after installing your new A-Premium engine mounts, consider the following:

- **Increased Vibration/Noise:**
  - **Incorrect Installation:** Re-check that all bolts are torqued to the manufacturer's specifications. Ensure mounts are correctly seated and oriented.
  - **Other Worn Components:** Vibrations or noises might originate from other worn suspension, steering, or drivetrain components. A professional diagnosis may be necessary.
  - **Engine Alignment:** Ensure the engine is properly aligned after installation.
- **Mount Appears Damaged Shortly After Installation:**
  - **Over-tightening:** Excessive torque can damage the mount's internal structure.
  - **Improper Engine Support:** If the engine was not properly supported during installation, it could have stressed the new mounts.

If troubleshooting steps do not resolve the issue, consult a qualified mechanic for further diagnosis and repair.

## 10. SPECIFICATIONS

Specification	Detail
Brand	A-Premium
Item Model Number	A5390
Manufacturer Part Number	APEM384
OEM Part Numbers	A5390, 3138, EM-3138, 4578046AC, 4578046AD, 4578046AE, 4578046AF, 4578193AE, 4578194AC, 4578194AD, 4578194AE, EM3138
Item Weight	7.72 pounds (3.51 Kilograms)
Package Dimensions	10.04 x 8.23 x 6.3 inches
Color	Metallic
Manufacturer	PremiumpartsWhosale

## 11. WARRANTY AND SUPPORT

A-Premium stands behind the quality of its products. This engine mount kit is covered by a:

- **One-Year Unlimited-Mileage Guarantee:** A-Premium offers a one-year unlimited-mileage guarantee on

this meticulously crafted engine mount kit.

For technical support or warranty claims, please contact A-Premium customer service through their official channels or the retailer where the product was purchased.

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