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› Allstar Performance ALL38130 Front Motor Plate Instruction Manual

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Model: ALL38130

INTRODUCTION

This manual provides essential information for the installation, application, and maintenance of your Allstar Performance ALL38130 Front Motor Plate. This component is designed for universal mounting applications in Small Block Chevy engines, particularly in sprint car chassis. Please read these instructions thoroughly before proceeding with installation to ensure proper fitment and safe operation.

SAFETY INFORMATION

Always prioritize safety when working on automotive systems. Failure to follow proper safety procedures can result in injury or damage to property.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work.
- Disconnect the battery before working on electrical components.
- Use the correct tools for each task.
- If you are unsure about any step, consult a qualified mechanic.

SETUP AND INSTALLATION

The Allstar Performance ALL38130 Front Motor Plate is a universal fit component designed to mount the front of a Small Block Chevy engine to a chassis. It is constructed from 1/4 inch thick aluminum.



Figure 1: Allstar Performance ALL38130 Front Motor Plate. This image displays the Allstar Performance ALL38130 Front Motor Plate. It is a silver-colored aluminum plate, approximately 1/4 inch thick, designed for front engine mounting. The plate features a distinctive U-shape with mounting points on the outer edges and the Allstar Performance logo visible on the left side.

Pre-Installation Checks:

- Verify that the motor plate dimensions are compatible with your engine and chassis. The plate features 19-1/2 inch center-to-center chassis mounting holes.
- Inspect the motor plate for any shipping damage or manufacturing defects.
- Gather all necessary tools, including wrenches, sockets, drills, and measuring tape.

Installation Steps:

1. Position the engine in the desired location within the chassis.
2. Align the motor plate with the front of the engine block and the chassis mounting points. The plate is designed for universal fitment, which may require custom drilling or modification of the chassis or plate to achieve optimal alignment and secure attachment.
3. Mark the precise locations for drilling any necessary holes on the chassis or the motor plate itself, ensuring proper engine alignment and clearance.
4. Drill holes as marked, using appropriate drill bits for aluminum and chassis material. Deburr all drilled holes to prevent stress risers.
5. Secure the motor plate to the engine block using appropriate engine mounting hardware (not included).
6. Attach the motor plate to the chassis using high-grade bolts, washers, and nuts (not included). Ensure all fasteners are tightened to the manufacturer's recommended torque specifications.
7. Double-check all connections for security and proper alignment before operating the vehicle.

Note: Due to the universal nature of this product, some fabrication or modification may be required for a precise fit with specific chassis designs. The plate itself provides the mounting surface; chassis mounting holes may need to be created or adapted based on your specific application.

APPLICATION DETAILS

This front motor plate is intended for use with Small Block Chevy engines. Its primary function is to provide a rigid mounting solution, contributing to engine stability and chassis integrity, particularly in high-performance applications like sprint cars. The 1/4 inch thick aluminum construction offers a balance of strength and weight reduction.

MAINTENANCE

The Allstar Performance ALL38130 Front Motor Plate requires minimal maintenance. Regular inspection is recommended to ensure its continued integrity.

- Periodically check all mounting bolts for tightness. Vibrations from engine operation can cause fasteners to loosen over time.
- Inspect the plate for any signs of cracks, bending, or fatigue, especially after severe impacts or prolonged use.
- Clean the plate as needed with a mild automotive cleaner to remove dirt, grease, and debris. Avoid abrasive cleaners or tools that could scratch the aluminum surface.
- Ensure there is no corrosion buildup, although aluminum is generally resistant to rust.

TROUBLESHOOTING

If you encounter issues during installation or use, consider the following:

- **Fitment Issues:** If the plate does not align perfectly with your chassis, remember it is a universal fit component. Custom fabrication, such as drilling new holes or creating adapter brackets, may be necessary. Do not force the plate into position.
- **Loose Fasteners:** If the engine feels unstable or excessive vibration is noted, re-check the torque on all mounting bolts for both the engine and chassis connections.
- **Damage:** If the plate shows signs of damage (cracks, bends), it should be replaced immediately to prevent engine or chassis failure.

SPECIFICATIONS

Brand	Allstar Performance
Model Number	ALL38130
Material	Aluminum
Thickness	1/4 inch
Chassis Mounting Holes (Center-to-Center)	19-1/2 inches
Application	Small Block Chevy, Universal Fit
Part Position	Front
Item Weight	1 pound
Product Dimensions	246 x 78 x 2.4 inches <i>(Note: These dimensions may refer to packaging or an error in source data. Refer to 19.5" C-C for critical fitment.)</i>
UPC	848238020106

WARRANTY INFORMATION

Allstar Performance products are manufactured to high standards. For specific warranty details, please refer to the official Allstar Performance website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

SUPPORT

For technical assistance, questions regarding installation, or product support, please contact Allstar Performance customer service. Contact information can typically be found on the manufacturer's official website.

Online Resources: www.allstarperformance.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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