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Mopar 77072385 Cold Air Intake Headlamp Duct Tube User Manual

Brand: Mopar**Model:** 77072385 - Cold Air Intake Headlamp Duct Tube

1. PRODUCT OVERVIEW

The Mopar 77072385 Cold Air Intake Headlamp Duct Tube is a genuine Mopar component designed to enhance the air intake system of compatible Dodge Challenger vehicles. This duct tube facilitates the flow of colder, denser air from the headlamp area directly to the vehicle's air intake, contributing to optimal engine performance. It is manufactured to meet precise specifications for fit, form, and function, ensuring seamless integration with your vehicle's existing systems.



Image: The Mopar 77072385 Cold Air Intake Headlamp Duct Tube, a black molded plastic component designed to channel air.

2. WHAT'S IN THE Box

Upon opening the product packaging, you will find the following component:

- One (1) Cold Air Intake Headlamp Duct Tube (Part Number: 77072385)

3. INSTALLATION GUIDE

This section provides general guidance for installing the Mopar 77072385 Cold Air Intake Headlamp Duct Tube. Professional installation is recommended for optimal results and to ensure proper fitment.

3.1. Pre-Installation Checks

- Ensure your vehicle is a compatible Dodge Challenger model.
- Verify that all necessary tools are available.
- Allow the engine to cool down completely before beginning installation.

3.2. Installation Steps

1. Locate the existing air intake system and the headlamp area where the duct tube will be installed.
2. Carefully remove any components obstructing access to the installation points. This may include parts of the existing airbox or headlight assembly.
3. Position the Mopar 77072385 duct tube to align with the headlamp opening and the airbox inlet.
4. Secure the duct tube in place. *Note: For some newer Challenger models (e.g., 2020 and newer), or specific airbox configurations, it may be necessary to modify (e.g., drill) the airbox to allow the duct tube to clip in properly. Consult a professional or vehicle-specific forums if unsure.*
5. Ensure all connections are secure and free from leaks.
6. Reinstall any components that were removed during the process.

The product functions by directing cold air from the vehicle's headlamp area into the air intake system. This process is designed to provide the engine with cooler, denser air, which can improve combustion efficiency.

4. OPERATING PRINCIPLES

The Mopar Cold Air Intake Headlamp Duct Tube operates passively by channeling ambient air from the front of the vehicle, specifically through the headlamp opening, directly to the engine's air intake. This design aims to supply the engine with a consistent flow of cooler, denser air compared to air drawn from within the hot engine bay. Cooler air contains more oxygen molecules, which can lead to more efficient combustion and potentially improved engine performance.

5. MAINTENANCE

As a component of the air intake system, the duct tube itself requires minimal maintenance. However, regular inspection is recommended to ensure its continued effectiveness:

- **Visual Inspection:** Periodically check the duct tube for any signs of cracks, tears, or damage. Ensure it remains securely attached at both the headlamp opening and the airbox connection.
- **Cleaning:** If the exterior of the duct tube accumulates dirt or debris, wipe it clean with a damp cloth. Avoid using harsh chemicals that could degrade the material.
- **Air Filter Check:** While the duct tube itself doesn't filter air, it works in conjunction with your vehicle's air filter. Ensure your air filter is regularly inspected and replaced according to your vehicle's maintenance schedule to maintain optimal air flow and engine protection.

6. TROUBLESHOOTING

If you encounter issues after installing the Mopar Cold Air Intake Headlamp Duct Tube, consider the following common troubleshooting steps:

- **Poor Fitment:** If the tube does not fit snugly, re-check the installation steps. Ensure all clips and mounting points are correctly engaged. Verify that any necessary modifications (e.g., drilling the airbox) were performed accurately if applicable to your vehicle model.
- **Unusual Noises:** Rattling or whistling sounds may indicate a loose connection or an air leak. Inspect all connections and ensure the tube is firmly seated.
- **Reduced Performance:** While this part is designed to improve air flow, if you experience a noticeable decrease in performance, ensure the duct tube is not obstructed and that your air filter is clean and properly installed.

If problems persist, it is recommended to consult a certified automotive technician or contact Mopar customer

support.

7. SPECIFICATIONS

Attribute	Detail
Manufacturer	MOPAR
Brand	Mopar
Model Name	Cold Air Intake Headlamp Duct Tube
Part Number	77072385
Item Weight	0.01 ounces
Product Dimensions	12 x 23 x 6 inches
Exterior Finish	Machined
ASIN	B06XGZ5HPB
Date First Available	May 12, 2017

8. WARRANTY AND SUPPORT

This Mopar product is a genuine OEM part. For specific warranty information, please refer to the warranty documentation provided with your purchase or visit the official Mopar website. Genuine Mopar parts are typically covered by a manufacturer's warranty against defects in materials and workmanship.

For technical assistance, installation queries, or warranty claims, please contact Mopar customer support or your authorized Mopar dealer. Ensure you have your product's part number (77072385) and vehicle information readily available when seeking support.

Mopar Official Website: www.mopar.com