

## Dorman 679-549

# Dorman 679-549 Passenger Side Manifold Converter Instruction Manual

Model: 679-549

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Dorman 679-549 Passenger Side Manifold Converter. This component is designed as a direct replacement for specific Dodge and Jeep vehicles, ensuring proper fit and performance.

## 2. PRODUCT OVERVIEW

### 2.1 Product Description

The Dorman 679-549 is a catalytic converter with an integrated exhaust manifold, engineered to match the original equipment's fit and performance on specific vehicle years, makes, and models. It serves as a reliable replacement part for your vehicle's exhaust system.

### 2.2 Compatibility

This part is compatible with the following vehicles. Before purchasing or installing, it is crucial to verify fitment using your vehicle's specific make, model, and trim level.

- **Dodge Durango:** 2013, 2014, 2015, 2016, 2017, 2018, 2019
- **Jeep Grand Cherokee:** 2013, 2014, 2015, 2016, 2017, 2018, 2019

### 2.3 What's Included

The package contains the following components necessary for installation:

- 1 Catalytic Converter
- 1 Inlet Gasket
- 1 Outlet Gasket
- 3 Studs

- 3 Bolts



Image: The Dorman 679-549 manifold converter shown with the included inlet gasket, outlet gasket, studs, and bolts, ready for installation.

### 3. INSTALLATION INSTRUCTIONS

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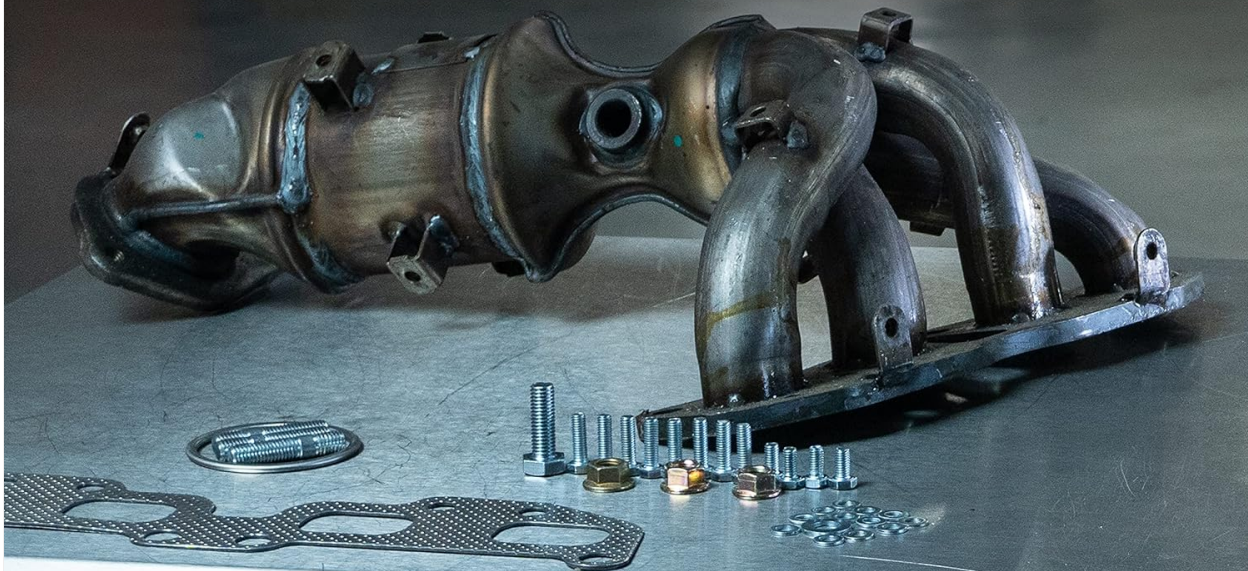
#### 3.1 General Installation Guidelines

Installation of automotive exhaust components requires specialized tools and technical knowledge. It is strongly recommended that this procedure be performed by a qualified automotive technician to ensure proper fitment and function.

- This manifold converter is designed as a direct replacement, matching the fit and performance of the original equipment.
- The kit includes all necessary gaskets and downpipe hardware to simplify the installation process.
- Ensure all mating surfaces on the engine and exhaust system are clean and free of debris or old gasket material before installing the new converter.
- Refer to your vehicle's specific service manual for detailed removal and installation procedures, including precise torque specifications for all fasteners.

┌ DID YOU KNOW?

## Cat efficiency codes rarely travel alone



**Check for other diagnostic trouble codes first**—air/fuel delivery issues, slow-reading oxygen sensors, and exhaust leaks all can trigger converter efficiency threshold codes, lengthening repair time and needlessly increasing replacement part cost.

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Image: Side view of the Dorman 679-549 manifold converter, illustrating its overall shape and pipe connections.



Image: Top view of the Dorman 679-549 manifold converter, showing the integrated manifold and catalytic converter body.



Image: Bottom view of the Dorman 679-549 manifold converter, highlighting the exhaust pipe connection point.



Image: Angled view of the Dorman 679-549 manifold converter, providing a comprehensive look at the assembly.



Image: Close-up of the included exhaust gasket and mounting hardware (bolts and washers) for the Dorman 679-549 manifold converter.

## 4. OPERATION

### 4.1 Function of the Manifold Converter

The Dorman 679-549 manifold converter is an integral part of your vehicle's emission control system. It

combines the exhaust manifold, which collects exhaust gases from the engine cylinders, with a catalytic converter. The catalytic converter's primary function is to reduce harmful emissions such as carbon monoxide (CO), unburnt hydrocarbons (HC), and nitrogen oxides (NOx) into less toxic substances like carbon dioxide (CO<sub>2</sub>), water vapor (H<sub>2</sub>O), and nitrogen (N<sub>2</sub>) through chemical reactions.

Proper operation is indicated by the absence of diagnostic trouble codes related to catalytic converter efficiency and normal vehicle performance, including fuel economy and engine power.

## 5. MAINTENANCE

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### 5.1 General Maintenance

Catalytic converters are generally designed to be maintenance-free components. However, their longevity and efficiency are directly influenced by the overall health and proper functioning of the engine and other exhaust system components.

- Ensure regular engine tune-ups and scheduled maintenance are performed. This prevents excessive unburnt fuel from entering the exhaust system, which can lead to converter overheating and internal damage.
- Promptly address any engine misfires, oxygen sensor malfunctions, or exhaust leaks. These issues can negatively impact converter performance, trigger diagnostic codes, and shorten the lifespan of the converter.
- Periodically inspect the entire exhaust system for any signs of physical damage, corrosion, leaks, or loose connections.

## 6. TROUBLESHOOTING

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### 6.1 Diagnostic Information

If your vehicle's "Check Engine" light illuminates and diagnostic trouble codes (DTCs) related to catalytic converter efficiency are present, it is important to conduct a thorough investigation to identify the root cause.



Image: An informational graphic emphasizing that catalytic converter efficiency codes often indicate underlying issues. It advises checking for other diagnostic trouble codes first, such as those related to air/fuel delivery, oxygen sensors, and exhaust leaks, as these can trigger converter efficiency threshold codes and increase repair costs.

- Before replacing the converter, always check for other diagnostic trouble codes. Issues such as air/fuel delivery problems, slow-reading oxygen sensors, or exhaust leaks can directly cause converter efficiency codes.
- Resolving these underlying issues first is critical. Failure to do so can lead to premature failure of a new converter and result in increased repair time and cost.

For a comprehensive troubleshooting guide and further diagnostic assistance, please refer to the official [Troubleshooting Guide \(PDF\)](#) provided by Dorman.

## 7. SPECIFICATIONS

### 7.1 Product Specifications

Property	Value
Manufacturer	Dorman Products
Brand	Dorman
Model Number	679-549
Item Weight	11.03 pounds
Product Dimensions	42.75 x 10.25 x 7 inches
OEM Part Numbers	20468; 68210351AB; 68210351AC
Date First Available	August 25, 2021

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

Dorman products are manufactured to high-quality standards. For specific warranty details, including terms, conditions, and duration, please refer to the official Dorman warranty policy available on their corporate website or contact Dorman customer support directly. Keep your purchase receipt as proof of purchase.

### 8.2 Additional Resources

For further assistance with your Dorman 679-549 Manifold Converter, you may consult the official [User Guide \(PDF\)](#).

You can also visit the [Dorman Store on Amazon](#) for more products and information.