

Exhaust System Installation For Dodge Challenger 3.5L



These instructions have been written to help you with the installation of your Borla Performance Exhaust System. Please read this document completely before beginning the installation of your system.

Please compare the parts in the box with the bill of materials provided to assure that you have all the parts necessary for this installation.

To ensure this part number fits your specific model year, please visit our website for the latest model year listings at www.BORLA.com.

Thank you for purchasing a Borla Performance Cat-Back™ Exhaust System.

This Borla Performance Cat-Back™ Exhaust Systems (Part number 140316) is designed for the Dodge Challenger equipped with a 3.5L V6 engine, rear-wheel drive and an automatic transmission.

Note: This system is a dual-split tip design exiting the rear valence. Installation requires cutting the rear valence using attached templates (see pages 5 & 6) or the separate purchase and installation of the lower-rear split-exhaust factory valence of the R/T or SRT-8 models fitting your vehicle.

Borla Performance Industries recommends that an exhaust shop or professional after market parts installer, who has all the necessary equipment, tools and experienced personnel needed for proper installation, should perform the installation of this system. However, if you decide to perform the installation, we recommend someone should help you. Ensure the installer uses all under car safety precautions including eye protection.

Please take time to read and understand the following...

By installing your Borla Performance Exhaust System, you indicate that you have read this document and you agree with the terms stated below.

It is the responsibility of the purchaser to follow all installation instruction guidelines and safety procedures supplied with your Borla Performance Exhaust System

Borla Performance Industries assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.

Included with your Borla Performance Exhaust System is a warranty card. Please read it carefully before you begin any work on your vehicle. If you should have any questions regarding our warranty policy, installation, or any other matter pertaining to your new Borla Performance Exhaust System, please give us a call at the number provided on the warranty card.

Minimum Required Tool List:

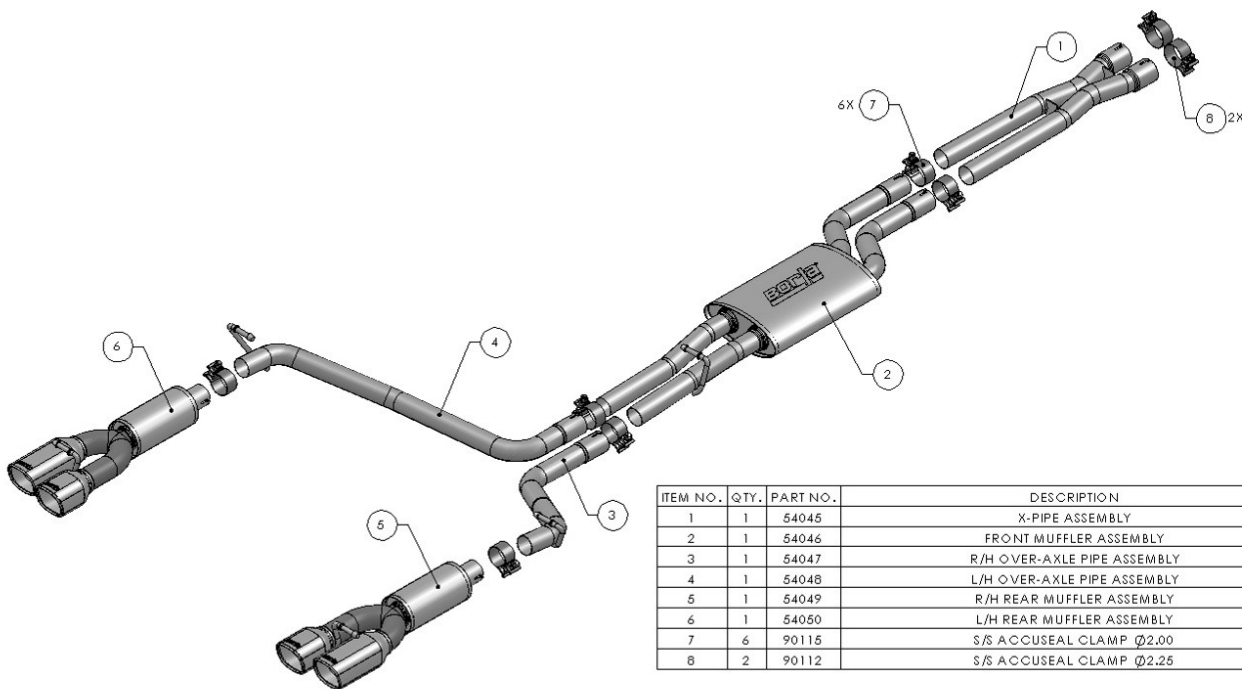
TOOLS:

1. 3/8" Drive Ratchet
2. 3/8" Drive Extension 3"
3. 15mm Socket
4. Pry Bar

SHOP SUPPLIES:

- 1 Spray Lubricant

Borla Performance Cat-back™ Bill of Materials



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	54045	X-PIPE ASSEMBLY
2	1	54046	FRONT MUFFLER ASSEMBLY
3	1	54047	R/H OVER-AXLE PIPE ASSEMBLY
4	1	54048	L/H OVER-AXLE PIPE ASSEMBLY
5	1	54049	R/H REAR MUFFLER ASSEMBLY
6	1	54050	L/H REAR MUFFLER ASSEMBLY
7	6	90115	S/S ACCUSEAL CLAMP Ø2.00
8	2	90112	S/S ACCUSEAL CLAMP Ø2.25

Note: This system is a dual-split tip design exiting the rear valence. Installation requires cutting the rear valence using attached templates (see pages 5 & 6) or the separate purchase and installation of the lower-rear split-exhaust factory valence of the R/T or SRT-8 models fitting your vehicle.

Caution!!! *Never work on a hot exhaust system. Serious injury in the form of burns can result* If the vehicle has been in use and the exhaust system is hot, allow vehicle to cool for at least 1 hour. Always wear eye protection when working under any vehicle.

Note: It is our recommendation that you use a hoist or hydraulic lift to facilitate the installation of your new Borla Performance Rear Section Exhaust System.

Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift. Once this has been done, you may begin the removal of your old exhaust system from your vehicle.

Note: Before removing the original exhaust system from your vehicle, please compare the parts you have received with the bill of materials provided on the previous page to assure that you have all the parts necessary for the installation of your new Borla Performance Rear Section Exhaust System.

Note: This system is a dual-split tip design exiting the rear valence. Installation requires cutting the rear valence using attached templates (see pages 5 & 6) or the separate purchase and installation of the lower-rear split-exhaust factory valence of the R/T or SRT-8 models fitting your vehicle.

Original Exhaust System Removal

Note: With a used vehicle, we suggest a penetrating spray lubricant to be applied liberally to all exhaust fasteners and allowing a significant period of time for the chemical to lubricate the threads before attempting to disassemble.

1. Lubricate all hangers and rubber isolators.
2. Loosen and remove the left and right-side (4) front flange at front
3. Using a muffler stand or an additional person to hold the driver side muffler assembly in place, remove the hangers from the rubber isolators and remove the driver side muffler assembly from the vehicle.
4. Loosen the clamps shown in figure 3 located in front of the x-pipe assembly.
5. Using a muffler stand or an additional person to hold the remaining exhaust up in place, remove the hangers from the rubber isolators and remove the exhaust from the vehicle.
6. Replace the lower rear valence with split-exhaust factory valence or cut tip exits using included templates on pages 5 & 6. (See Fig.4)

Warning: Use extreme caution during installation. Torque all fasteners according to manufacturer's torque values and tightening sequence. DO NOT use air impact tools to tighten fasteners on Borla Performance Exhaust Systems. Use of such tools may result in bent flanges or gasket contact areas leading to exhaust leaks.

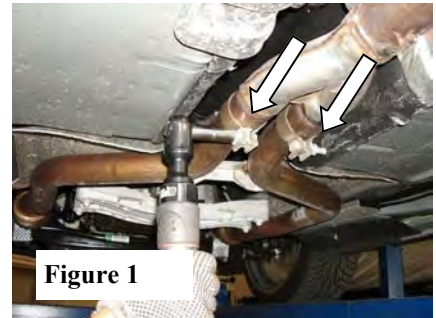


Figure 1

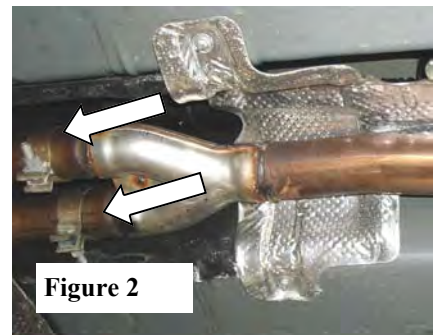


Figure 2

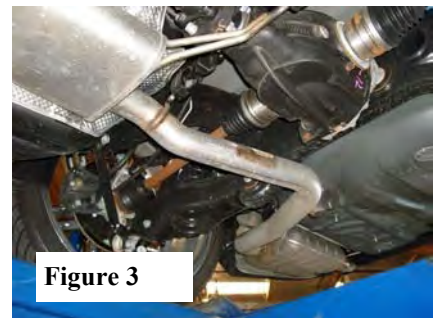


Figure 3



Figure 4

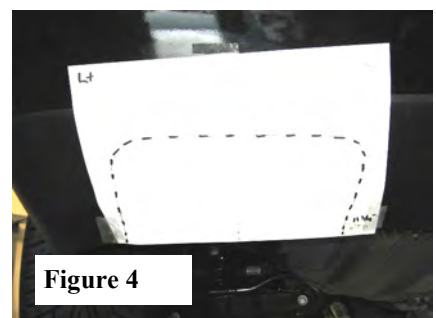


Figure 4

Note: This system is a dual-split tip design exiting the rear valence. Installation requires cutting the rear valence using attached templates (see pages 5 & 6) or the separate purchase and installation of the lower-rear split-exhaust factory valence of the R/T or SRT-8 models fitting your vehicle.

Borla Performance Cat-Back™ Exhaust System Installation

1. Place a clamp over each expanded end of the X-Pipe Assembly and place over front pipes. (See Fig.4) Do Not tighten the clamps.
2. Place a clamp over each expanded end of the Front Muffler Assemblies and place over outlets of X-Pipe Assembly. (See Fig.5) Do Not tighten the clamps.
3. Starting with the L/H Over-Axle Pipe Assembly, place a clamp over the expanded end and place over Front Muffler Assembly left-side outlet making sure to install the hangers into the rubber isolators. Do Not tighten the clamps. Repeat for R/H Over-Axle Pipe Assembly.
4. Starting with the R/H Rear Muffler Assembly, place a clamp over the expanded end and place the inlet over R/H Over-Axle Assembly outlet making sure to install the hangers into the rubber isolators. Do Not tighten the clamps. (See Fig.6) Repeat for L/H Rear Muffler Assembly.
5. Check your exhaust system for proper clearance under the vehicle and also for tip alignment. (See Fig.7)
6. Once position has been determined to be correct, tighten the Accuseal clamps to 32-35 ft. lbs.
7. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
8. Start vehicle and check for any leaks. If any leaks are found, determine cause (such as loose or incorrectly positioned clamp) and repair as necessary.

Note: When you first start your vehicle after the installation of your new Borla Performance Exhaust System, there may be some smoke and fumes coming from the system. This is a protective oil based coating used in the manufacturing of mandrel bent performance exhaust tubing. This is not a problem and will disappear within a very short period of time after the exhaust has reached normal operating temperatures.



Figure 4



Figure 5



Figure 6

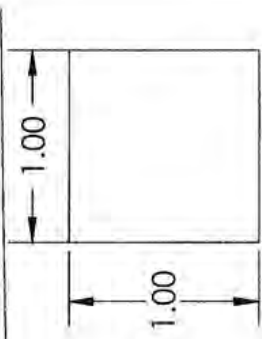


Figure 7

PART# 47625

SYSTEM# 140316: 09-10 DODGE CHALLENGER V6

ALIGN TO TOP
OF BUMPER FASCIA.

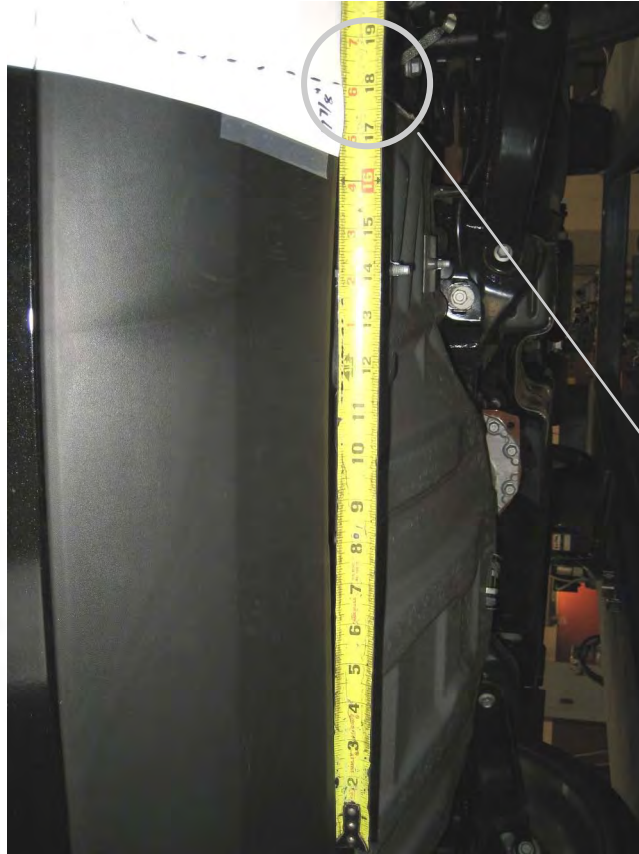


SCALE: 1=1
DO NOT SCALE

PLACE TEMPLATE ON
PASSENGER SIDE
SCALE: 1/1

CUT PATTERN

Note: This system is a dual-split tip design exiting the rear valence. Installation requires cutting the rear valence using attached templates (see pages 5 & 6) or the separate purchase and installation of the lower-rear split-exhaust factory valence of the R/T or SRT-8 models fitting your vehicle.



18" from centerline of vehicle

PLACE TEMPLATE
TO BOTTOM OF BUMPER

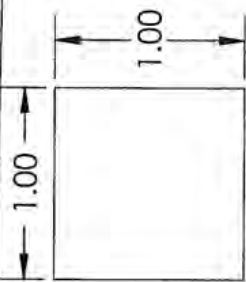
PART# 47626

SYSTEM# 140316: 09-10 DODGE CHALLENGER V6

ALIGN TO TOP
OF BUMPER FASCIA.

PLACE TEMPLATE ON
DRIVER SIDE
SCALE: 1/1

CUT PATTERN



SCALE: 1=1
DO NOT SCALE

Note: This system is a dual-split tip design exiting the rear valence. Installation requires cutting the rear valence using attached templates (see pages 5 & 6) or the separate purchase and installation of the lower-rear split-exhaust factory valence of the R/T or SRT-8 models fitting your vehicle.

18" from centerline of vehicle

PLACE TEMPLATE
TO BOTTOM OF BUMPER