

Exhaust System Installation for Mazda Speed3 PN-11786



Thank you for purchasing a Borla Performance Exhaust System.

This Borla Performance Rear Section Exhaust System (Part Number 11786) has been designed for the Mazda Speed3 equipped with a 2.3L 4-cylinder turbo engine and automatic or manual transmissions.

Borla Performance Industries recommends that an exhaust shop or professional after market parts installer perform the installation of this system. However, if you decide to perform the installation on your own it is recommended that two people are used. This installation should not be performed by one person due to the risk of injury. Ensure the installers use 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

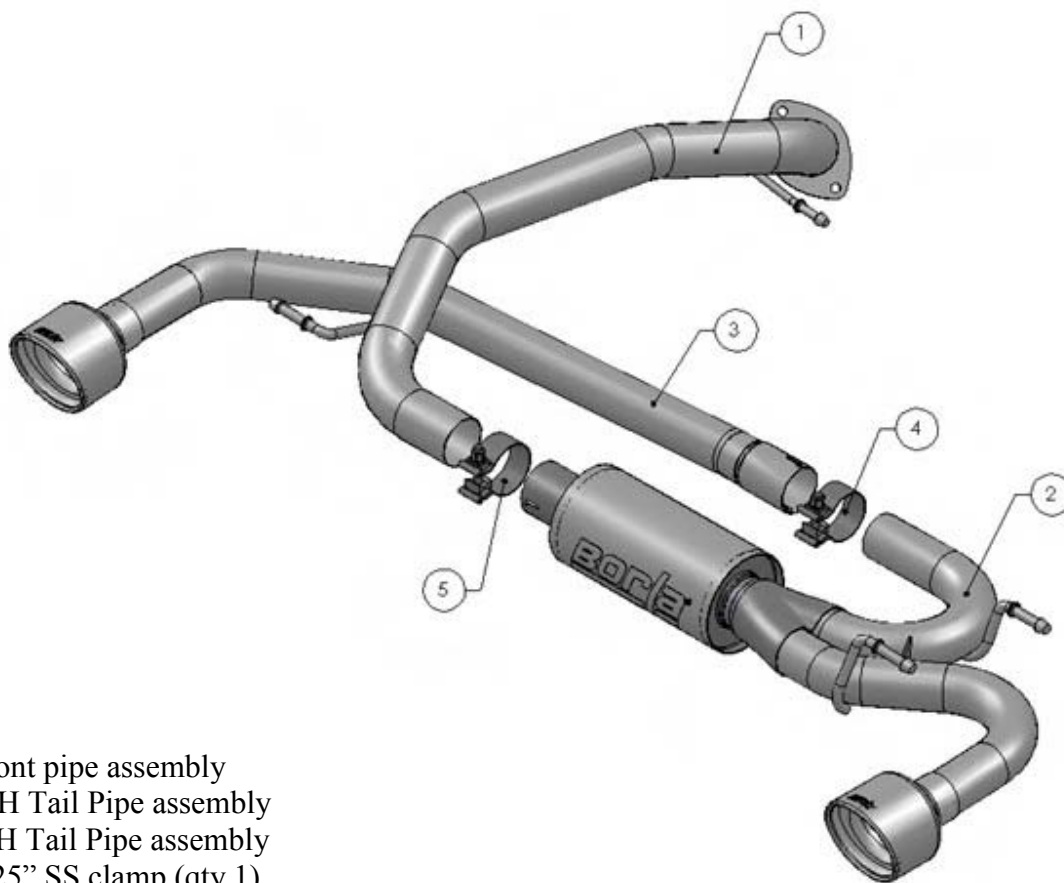
Borla Performance Industries assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.

Minimum Required Tool List:**TOOLS:**

- 1 3/8" Drive Ratchet
- 2 3/8" Drive Extension 3"
- 3 13mm Socket
- 5 Pry Bar

SHOP SUPPLIES:

- 1 Spray Lubricant

Borla Performance Cat-Back™ Bill of Materials

1. Front pipe assembly
2. R/H Tail Pipe assembly
3. L/H Tail Pipe assembly
4. 2.25" SS clamp (qty 1)
5. 2.50" SS clamp (qty 1)

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 Cat-Back™ 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 Cat-Back™ Exhaust System.*

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. Loosen the (2) flange bolts as shown (13mm). Keep these for reassembly of your new Borla exhaust. (see Figure 1)
2. Using a muffler stand or an additional person to hold the muffler assembly up into position, slide the (4) hangars out of the rubber isolators and remove the system from the rear. Keep the hardware for use during the installation of your new exhaust system.
3. Exhaust system removed. (see Figure 2)

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.*

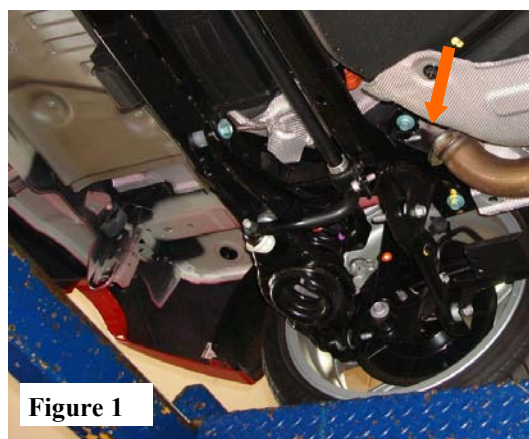


Figure 1



Figure 2

Borla Performance Rear Section Exhaust System Installation

1. Orient and position the muffler assembly on the ground and familiarize yourself with the parts (see page 2).
2. Orient the front pipe assembly into position and insert hangers into rubber isolators. Using the original bolts, insert into flanges and hand-tighten. DO NOT tighten these bolts. (see Figure 3)
3. Place 2.50" Accuseal clamp over front pipe assembly. Position and place R/H tailpipe assembly over front pipe assembly end. Insert (2) hangers into the OE rubber isolators. (see Figure 4)
4. Place 2.25" Accuseal clamp over R/H pipe assembly. Position and place L/H tailpipe assembly over R/H pipe assembly end. Insert hangar into the OE rubber isolator. DO NOT tighten these bolts. (see Figure 5)
5. Check your exhaust system for proper clearance under the vehicle and also for tip alignment. Once position has been determined to be correct, tighten the clamp bolts, 32-35 ft. lbs. Then tighten the flange bolts, 32-35 ft.lbs. (see figure 6)
6. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
7. 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.

Congratulations!!! You have completed the installation of the world famous Borla Performance Stainless Steel Exhaust System.

