

## Porsche Cayman-S Exhaust System Installation

### PN's 12653, 12654, 12659, 12660, 12663, 12664



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](http://www.BORLA.com).

**THESE SYSTEMS HAVE BEEN DEVELOPED FOR RACING USE ONLY. NOT LEGAL FOR USE ON PUBLIC ROADS OR HIGHWAYS.**

**Thank you for purchasing a Borla Performance Competition Exhaust System.**

**Borla Performance Competition Exhaust System (Part number 12653,12654,12659, 12660, 12663, 12664) is designed for the Porsche Cayman/Boxster Spyder equipped with a 3.8L 6 cylinder engine, rear-wheel drive 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.

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:**

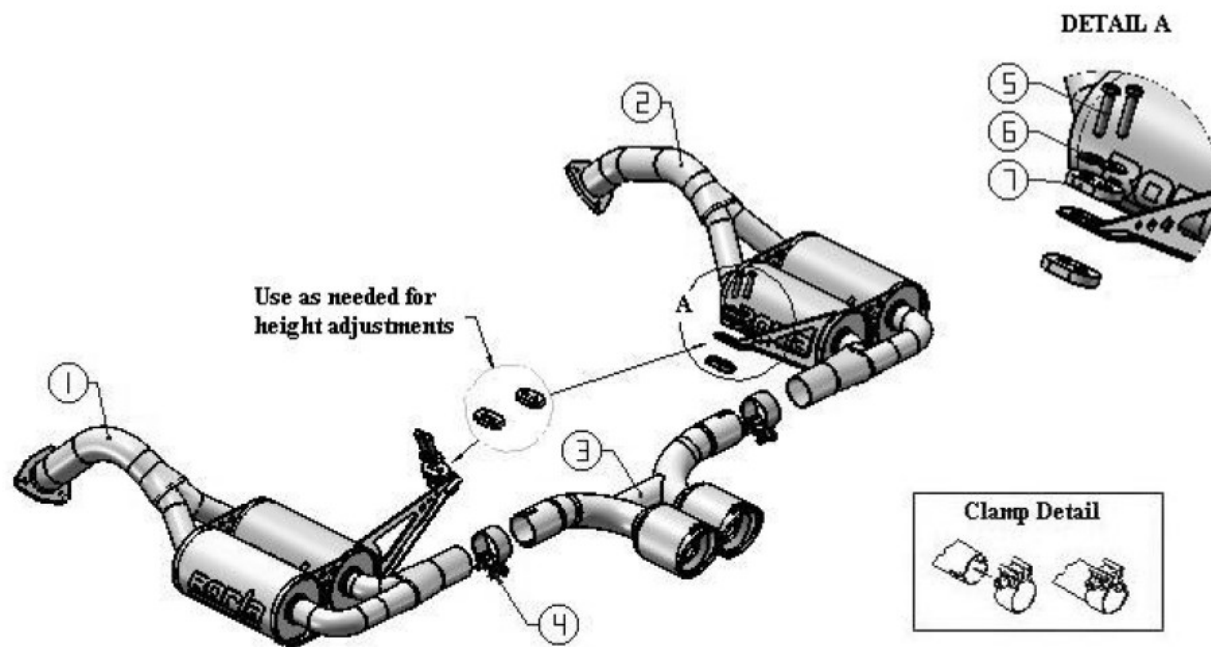
**TOOLS:**

- 1 3/8" Drive Ratchet
- 2 3/8" Drive Extension 3"
- 3 15mm Socket
- 4 18mm Socket
- 5 13mm Socket
- 6 8mm Socket
- 7 12mm Socket
- 8 T50 Torx Bit
- 9 Pry Bar

**SHOP SUPPLIES:**

- 1 Spray Lubricant

**Borla Performance Competition Exhaust System Bill of Materials**



1. Left Muffler assembly
2. Right Muffler assembly
3. Tip Assembly
4. 2.25" clamp (qty 2)
5. Screw (qty 4)
6. Flat Washer (qty 4)
7. Rubber Isolator (qty 4)

**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 Competition 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 Competition 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 flanges located just in front of each rear catalytic converter. (See Fig.1)
2. Using a muffler stand or an additional person to hold the exhaust up into position, unbolt the exhaust system from the bracket and carefully remove the exhaust from the vehicle. Place the original hardware from the flanges and gaskets to the side for use during the installation of your new exhaust system. (See Fig.2)
3. Unbolt and remove the original bracket. (See Fig.3)
4. Remove the trim piece around the tip opening.



Figure 1



Figure 2



Figure 3

**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.

## Borla Performance Competition Exhaust System Installation

1. Place a clamp over the expanded ends of the tip assembly and slide the tip assembly over the left and right muffler assembly. Do not tighten the clamps.
2. Install the original gaskets into the flanges.
3. Using an additional person to help, place the exhaust system into position. (See Fig.4)
4. Install the isolators supplied placing one below and one above each bracket and the hardware. (See Fig.5)
5. Use the two additional isolators provided for any height adjustments you feel are necessary to level the muffler assemblies
6. Using the original hardware tighten the flanges to 18-22 ft. lbs. of torque. (See Fig.6)
7. Check your exhaust system for proper clearance under the vehicle and also for tip alignment.
8. Once position has been determined to be correct, tighten the clamps to 32-35 ft. lbs. making sure the clamp openings are not over any of the notches in the pipes.
9. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
10. 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.
11. Re install the trim piece for the tip opening. (See Fig.7)

*Note: When you first start your vehicle after the installation of your new Borla Performance Competition 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