

Installation Guide for Volkswagen Golf R

PNs: 141029, 141029BC, & 141029SB



******* 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.**

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.

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.

Borla Performance Cat-Back™ exhaust system PNs 141029, 141029BC, and 141029SB are designed for the Volkswagen Golf R equipped with a 2.0L inline-4 turbo-charged engine and automatic or manual AWD transmission.

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:

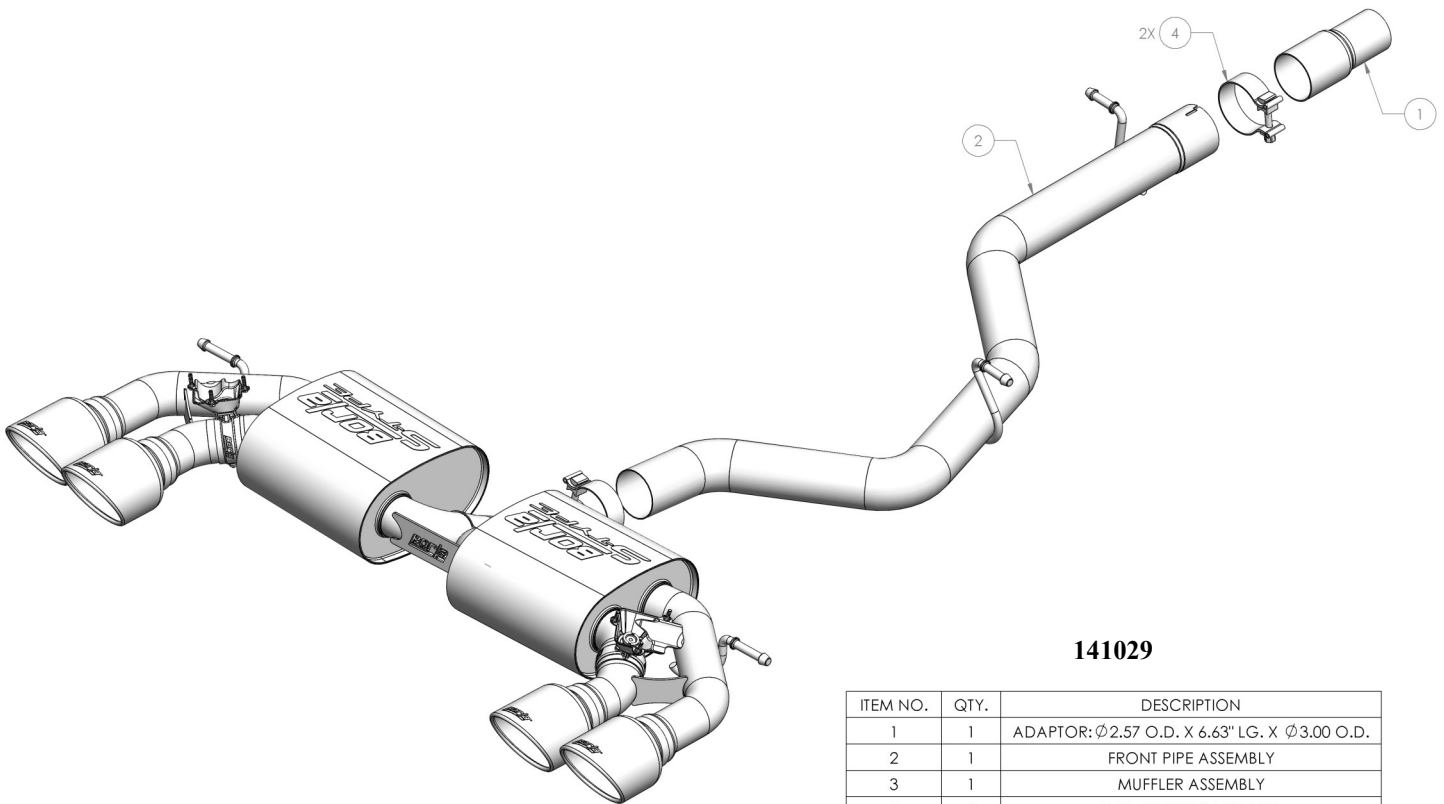
TOOLS:

- | | |
|----------------------------|---------------|
| 1. 3/8" drive ratchet | 6. 8mm socket |
| 2. 3/8" drive extension 6" | 7. Pry bar |
| 3. 15mm deep well socket | |
| 4. 14mm deep well socket | |
| 5. 13mm socket | |

SHOP SUPPLIES:

1. Spray lubricant

Borla Performance - Bill of Materials



141029

ITEM NO.	QTY.	DESCRIPTION
1	1	ADAPTOR: \varnothing 2.57 O.D. X 6.63" LG. X \varnothing 3.00 O.D.
2	1	FRONT PIPE ASSEMBLY
3	1	MUFFLER ASSEMBLY
4	2	3.00 ACCUSEAL CLAMP

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 exhaust system.*

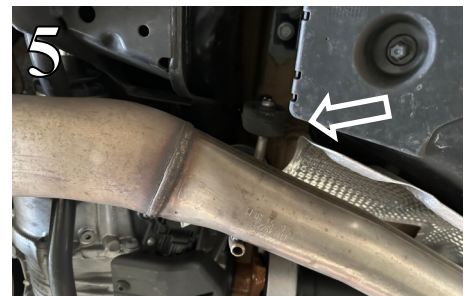
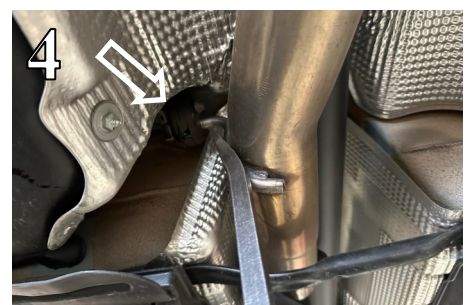
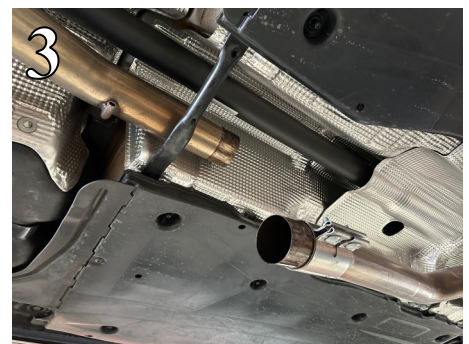
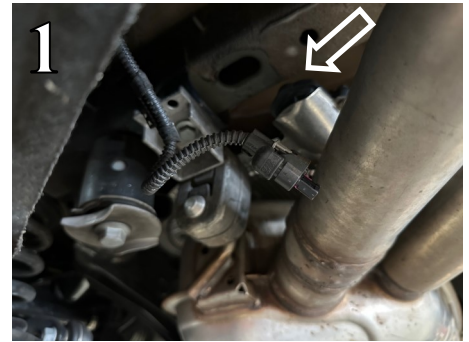
Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift. Once this has been done, you may begin the removal of your old exhaust system from your vehicle.

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 exhaust system.*

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.*

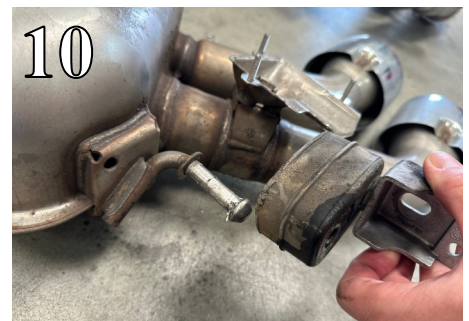
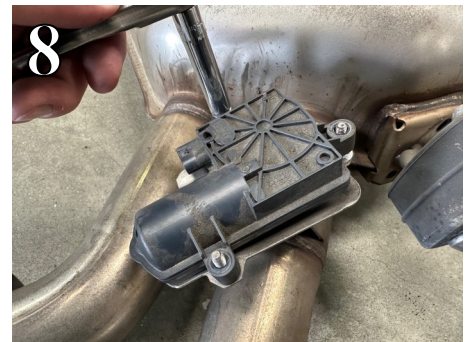
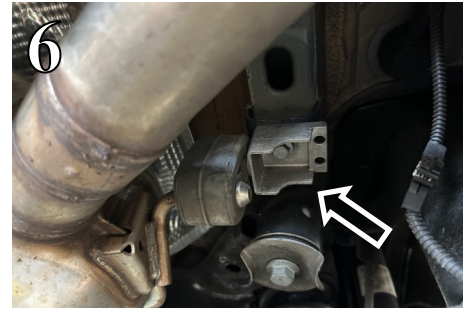
Original Exhaust System Removal

1. Lubricate all hangers, rubber isolators, bolts and nuts.
2. Disconnect the wiring harness from each of the valve actuators (Fig. 1).
3. Loosen the hardware on the band clamp attaching the original system to the vehicle and slide the clamp toward the front of the vehicle (Figs. 2-3).
You will be reusing this clamp for installation of your Borla system.
4. Using a flathead screwdriver or a prybar, remove the original exhaust assembly hangers from their rubber isolators (Figs. 4-5).



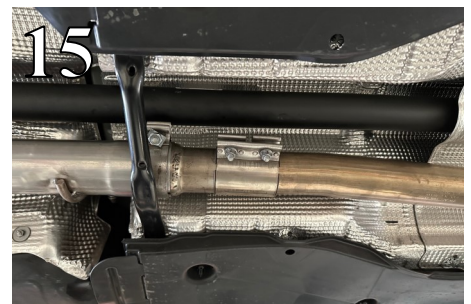
Original Exhaust System Removal Cont'd

5. Using a muffler stand or an additional person to hold the muffler assembly, loosen and remove the hardware attaching the isolator assemblies to the vehicle and remove the system from the vehicle (Figs. 6-7). Save this hardware for installation of your Borla system.
6. Loosen and remove the hardware connecting the valve actuators to the exhaust (Figs. 8-9). Save both the hardware and actuators for installation of your Borla system.
7. Using a flathead screwdriver or a prybar, remove the isolator assemblies from the muffler assembly (Fig. 10). Save the isolator assemblies for installation of your Borla system.
8. Original exhaust system removed.

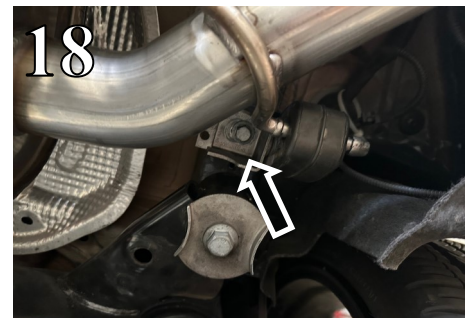
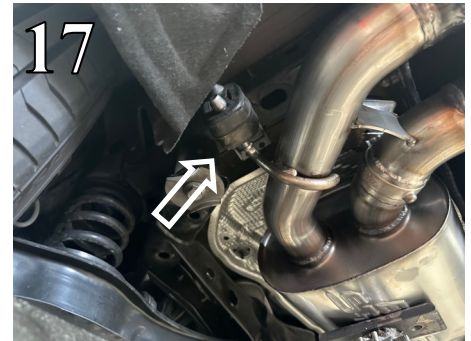


Borla Performance Cat-Back™ Exhaust System Installation

1. Orient components on shop floor according to Borla bill of materials drawing on page 2.
2. Using the original hardware, install the original valve actuators to the valve assemblies on the **Muffler Assembly** (Fig. 11). Ensure that the straight portions of the spring lock into the notches on the top of the Borla valve assembly.
3. Place a clamp over the expanded end of the **Front Pipe Assembly** and insert the **Adaptor** into the inlet (Fig. 12). Do not tighten the clamp.
4. Feed the **Front Pipe** and **Adaptor Assembly** up and over the cross-member and insert the hangers into the original rubber isolators (Fig. 13).
5. Lift up the outlet pipe of the vehicle and butt the ends of both the outlet pipe and the **Adaptor** to each other. Slide the original band clamp over the point at which they meet covering equal parts of both the outlet pipe and the **Adaptor** (Figs. 14-15). Do not tighten the clamp.



Borla Performance Cat-Back™ Exhaust System Installation Cont'd



6. Install the original isolator assemblies onto the hangers of the **Muffler Assembly** in the opposite direction of the original, with the metal portion of the isolator assemblies facing toward the center of the **Muffler Assembly** (Fig. 16).
7. Place a clamp over the expanded end of the **Muffler Assembly** and lift the entire assembly up to the vehicle and insert the inlet to the **Front Pipe Assembly** (Fig. 16). Do not tighten the clamp.
8. Attach the original isolator assemblies to the vehicle using the original hardware (Figs. 17-18).
9. Connect the wiring harness to each of the valve actuators (Fig. 19).
10. Once position has been determined to be correct, tighten the original band clamp on the **Adaptor** and then tighten the Accuseal clamps to 32-35 ft. lbs.
11. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
12. Start the vehicle and check for any leaks. If any leaks are found, determine cause (such as loose or incorrectly positioned clamp) and repair as necessary.

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.

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.