

Exhaust Diffuser Installation

PN-77015



BORLA® Performance Industries is proud to offer a truly unique product to the aftermarket Cat-Back™ industry we started over 30-years ago. Inspired by motor-sports aerodynamics, BORLA® Performance now offers racecar-styling for your BORLA® equipped street car. The BORLA® Exhaust Diffuser is both an aesthetic and functional component adding a subtle, track-inspired look to your vehicle while decreasing turbulence below your BORLA® exhaust at highway speeds.

This BORLA® Exhaust Diffuser is not an afterthought product. It is styled to compliment your vehicle aesthetics, incorporating visual contours and multiple-fin elements for a subtle race-inspired look. This BORLA® Exhaust Diffuser is developed concurrently with BORLA® products for proper static and dynamic thermal ventilation, adequate vehicle ground clearance, and combined system weight savings over your factory exhaust system.

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 Exhaust Accessory.

Borla Performance Exhaust Diffuser (PN-77015) is designed specifically to attach to Borla Performance Exhaust Systems for the Chevrolet Corvette C7 Stingray, V8 engine RWD, Manual or Automatic Transmissions.

Borla Performance Exhaust Diffuser (PN-77015) is not designed to fit the OE exhaust system.

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.

NOTE: Borla recommends using a liquid thread-lock to all hardware bolts to minimize bolts becoming loose. Inspect hardware periodically to prevent loose hardware that could lead to damage, M6 bolt torque value: 14-16 ft. lbs.

Minimum Required Tool List:

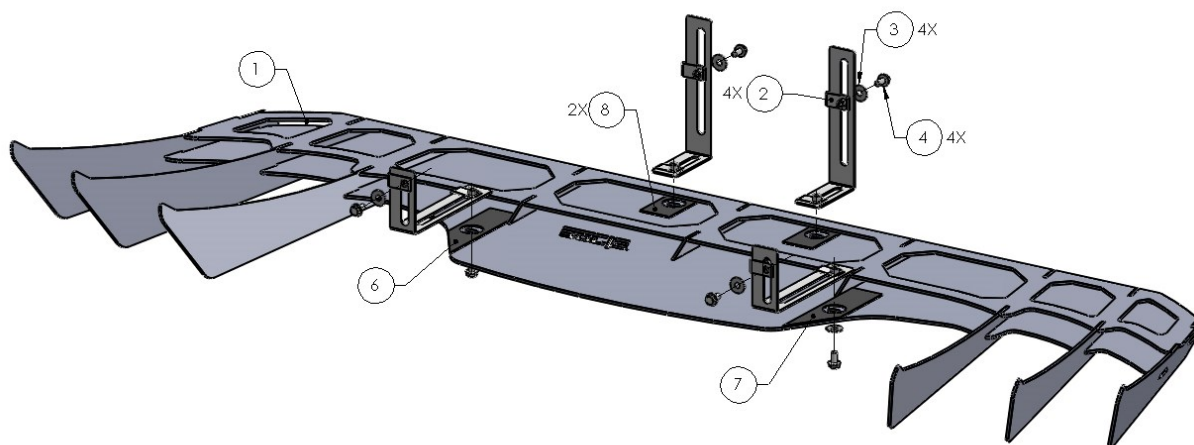
TOOLS:

1. 3/8" Drive Ratchet
2. 3/8" Drive 8" Extension
3. 10mm Deep Socket
4. 10mm Ratchet Box End Wrench
5. Protractor

SHOP SUPPLIES:

- 1 Spray Lubricant

Borla Performance - Bill of Materials



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	55148	DIFFUSER ASSEMBLY	1
2	93077	Clip-on Nut: M6 Size, 1mm Pitch	8
3	92039	Flat Washer: M6 Screw Size, 18mm OD	8
4	92244444	BOLT/SCREW-EXH MANIF H/SHLD	8
5	72268	L-BRACKET: 3.75 X 2.42 X 1.25"	4
6	22081	RUBBER PAD: 1.50" X .063" X 5.55"	1
7	22082	RUBBER PAD: 1.50" X .063" X 5.55"	1
8	22083	RUBBER PAD: 1.50" X .063" X 2.84"	2

**Diffuser Assembly material is lightweight aluminum with a durable powder-coat finish.
The Diffuser Assembly can be color-customized by the customer.**

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 System.

Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift.

Note: 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 System.

NOTE: Borla recommends using a liquid thread-lock to all hardware bolts to minimize bolts becoming loose. Inspect hardware periodically to prevent loose hardware that could lead to damage, M6 bolt torque value: 14-16 ft. lbs.

Borla Performance Exhaust Diffuser Installation

1. Verify your Borla Rear-Section exhaust is properly installed before installation of your new Exhaust Diffuser.
2. Snap-in (4) **Clip-On Nuts** to FRONT and REAR Muffler Assembly Brackets (Refer to page 2 assembly drawing). (See Figs. 1A & 1B)

Figure 1A

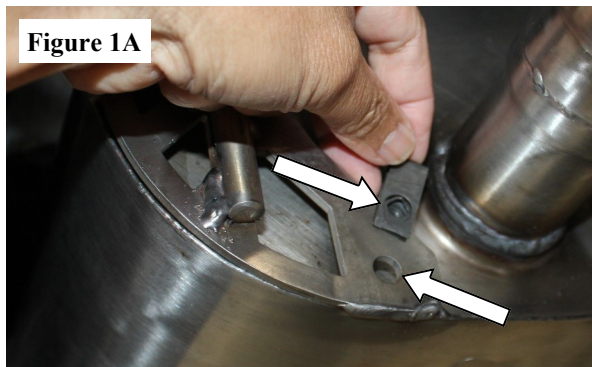
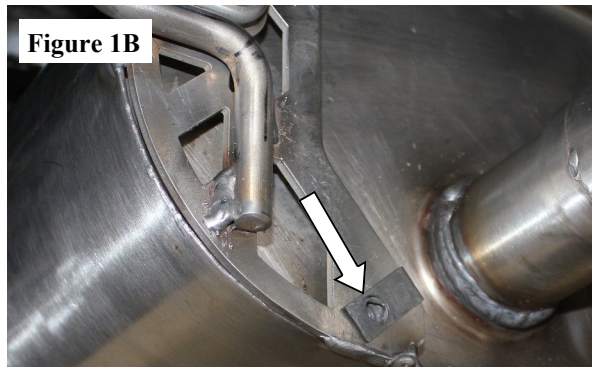


Figure 1B



3. Install (2) **L-Brackets** to FRONT Muffler Assemblies with LONG SIDE parallel to ground with supplied hardware (See page 2 assembly drawing for proper orientation). **NOTE: LIGHTLY TIGHTEN BOLTS ALLOWING BRACKET TO SLIDE** (See Fig. 2A)
4. Install (2) **L-Brackets** to REAR Muffler Assemblies with SHORT SIDE parallel to ground with supplied hardware (See page 2 assembly drawing for proper orientation). **NOTE: LIGHTLY TIGHTEN BOLTS ALLOWING BRACKET TO SLIDE** (See Fig. 2B)

Figure 2A

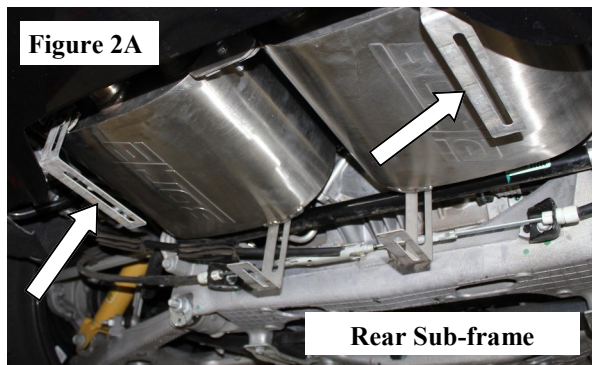
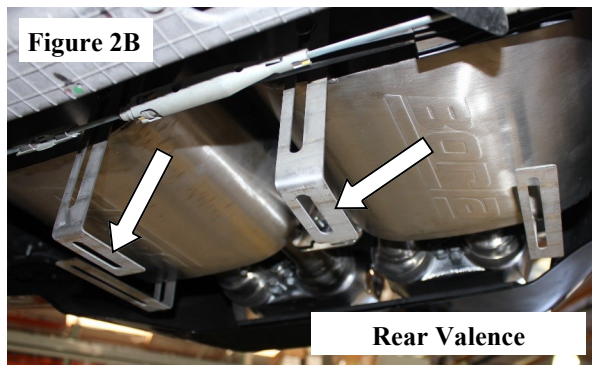


Figure 2B

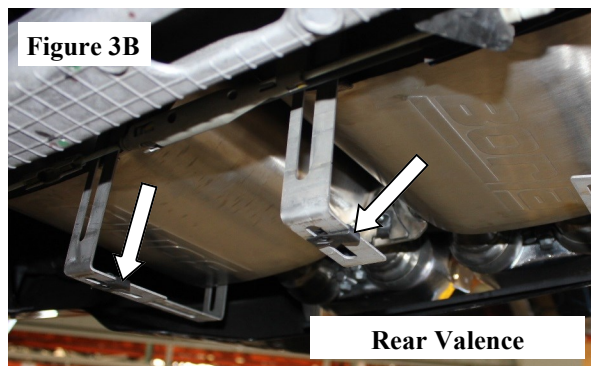
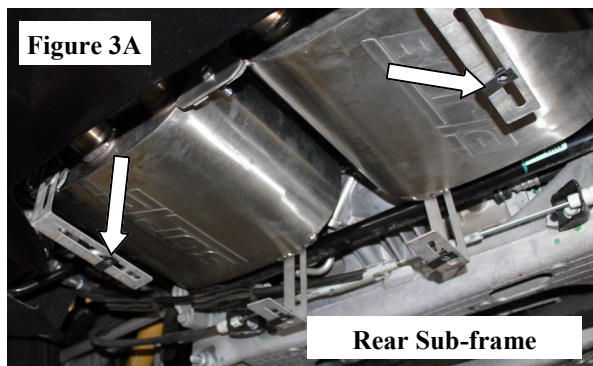


*Diffuser Assembly material is lightweight aluminum with a durable powder-coat finish.
The Diffuser Assembly can be color-customized by the customer.*

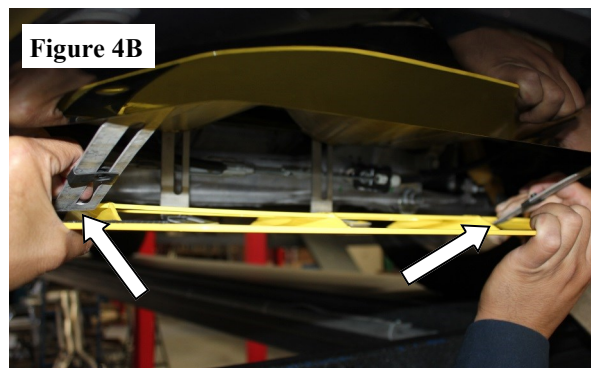
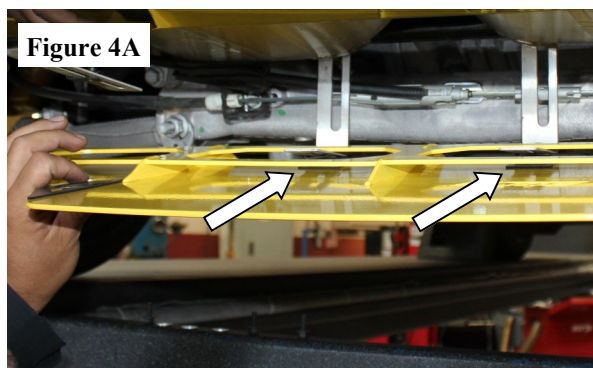
NOTE: Borla recommends using a liquid thread-lock to all hardware bolts to minimize bolts becoming loose. Inspect hardware periodically to prevent loose hardware that could lead to damage, M6 bolt torque value: 14-16 ft. lbs.

Borla Performance Exhaust Diffuser Installation (cont'd)

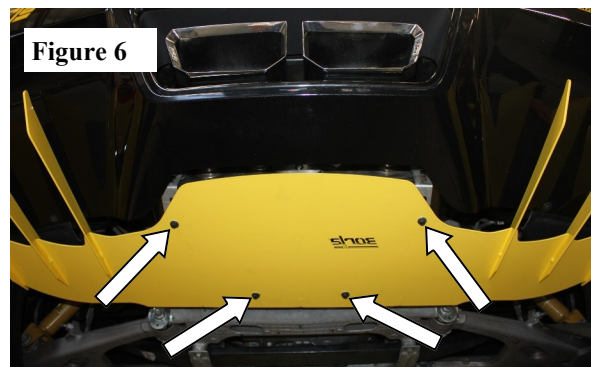
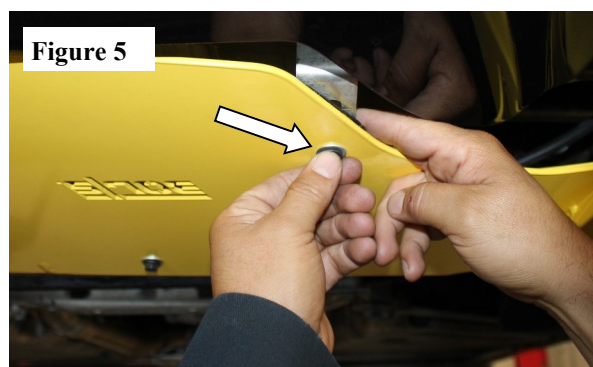
5. Snap-In (4) **Clip-On Nuts** to installed **L-Brackets** as shown (See page 2 assembly drawing for proper orientation). (See Figs. 3A & 3B)



6. Carefully position **Diffuser Assembly** centering **FRONT L-Brackets** between upper and lower wings. (See Fig. 4A)
7. Slide **Diffuser Assembly** forward and gently bend **REAR L-Brackets** downward and insert then between upper and lower wings. (See Fig. 4B)



8. Insert (4) **Bolts & Washers** through slots in **Diffuser Assembly**. **NOTE: LIGHTLY TIGHTEN BOLTS ALLOWING EXHAUST DIFFUSER ASSEMBLY TO SLIDE WITH U-NUTS.**
9. Exhaust Diffuser Assembly should hang supported by hardware. Verify bolts are not too tight before continuing to align-



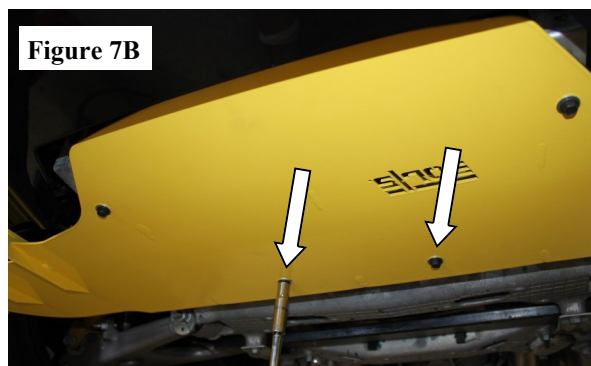
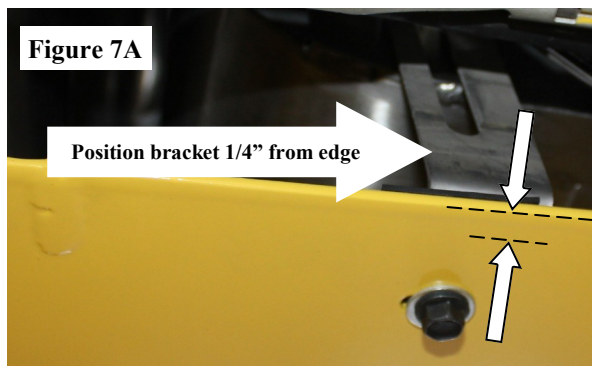
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6)

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Fig.

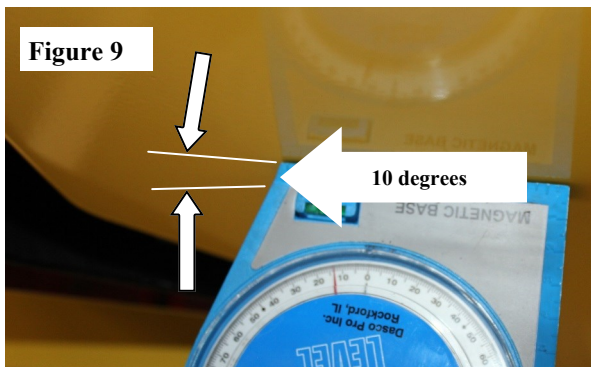
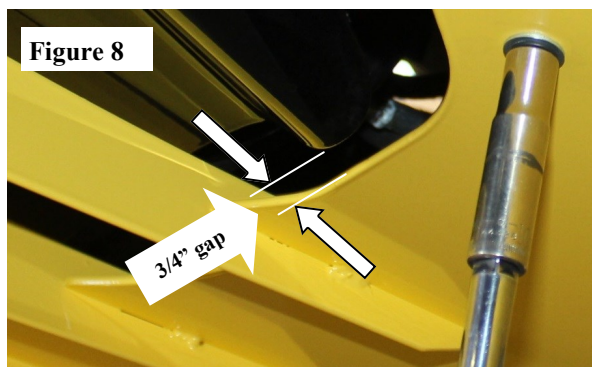
NOTE: Borla recommends using a liquid thread-lock to all hardware bolts to minimize bolts becoming loose. Inspect hardware periodically to prevent loose hardware that could lead to damage, M6 bolt torque value: 14-16 ft. lbs.

Borla Performance Exhaust Diffuser Installation (cont'd)

5. Beginning with **Front L Brackets**, position bracket approximately 1/4" from front edge. Lightly tighten corresponding front bolts to hold front brackets in position. (See Figs. 7A & 7B).



6. Push **Exhaust Diffuser Assembly** forward creating a 3/4" gap to Left and Right sides from the OE rear valence as shown. Lightly tighten corresponding front bolts to hold front brackets in position. (See Fig. 8)



7. Carefully position the strakes of the **Diffuser Assembly** no closer than 1/4" to the OE rear valence. Set the **Diffuser Assembly** angle 10-degrees upwards towards the rear of vehicle. (See Fig. 9 and page 6 reference photos)
8. There may be variances in the installation of your exhaust system, vehicle hangars, etc. that will affect **Diffuser Assembly** alignment. Tighten Front Bolts with 10mm ratchet box end-wrench and remaining (6) Bolts with a 10mm socket: 14-16 ft. lbs. (See Figs. 10 & 11)



NOTE: Borla recommends using a liquid thread-lock to all hardware bolts to minimize bolts becoming loose. Inspect hardware periodically to prevent loose hardware that could lead to damage, M6 bolt torque value: 14-16 ft. lbs.

Installation Reference Photos



*** NOTES *****

- Diffuser Assembly front edge (closest to axle) final height position is approximately 3/4" higher than back edge.
- Perimeter ventilation gaps are designed for material thermal expansion and heat evacuation.

**Diffuser Assembly material is lightweight aluminum with a durable powder-coat finish.
The Diffuser Assembly can be color-customized by the customer.**