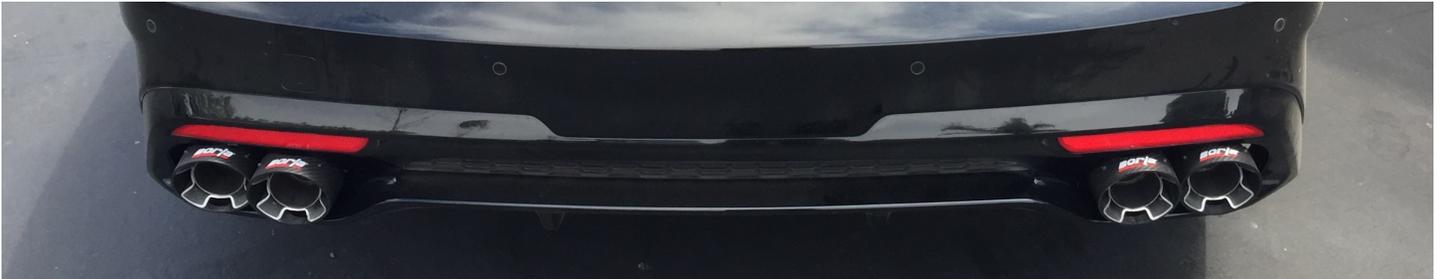


Exhaust Component Installation for the Kia Stinger PN-20165



******* 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 Component. 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 Exhaust Component.

Borla Performance Exhaust Component (PN-20165) is designed to compliment your Borla Catback exhaust System replacing the OE valence tips on the Kia Stinger, 3.3TT or 2.0T engines.

******* THIS KIT IS NOT COMPATIBLE WITH THE FACTORY EXHAUST *******

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 Component, 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 Component.

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 Component 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:

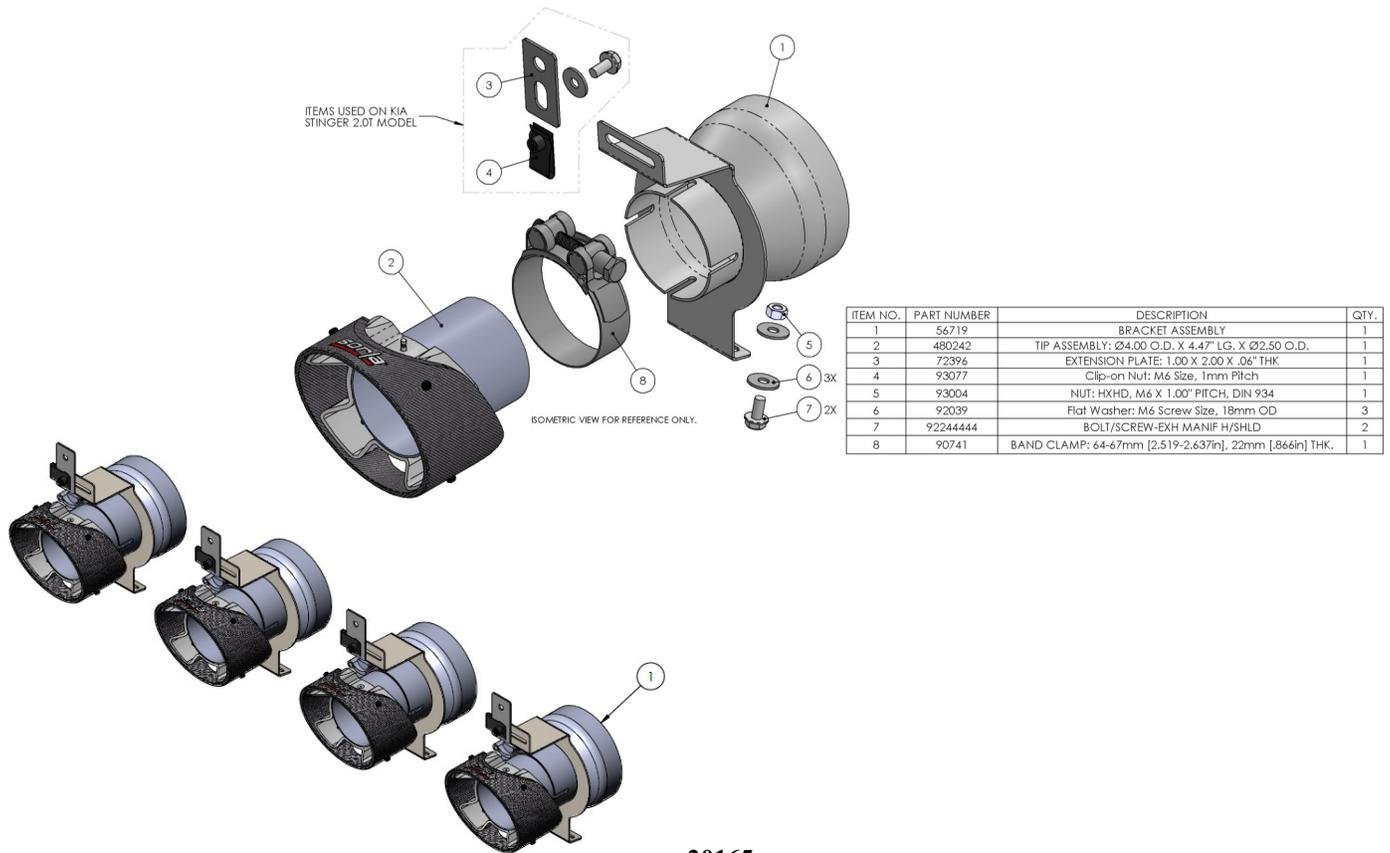
TOOLS:

1. 3/8" Drive Ratchet
2. 3/8" Drive Extension 3"
3. 10mm & 14mm Sockets
4. 10mm End Wrench
5. Philips Head Screwdriver
6. Philips Head Low-Profile (ratcheting type)

2.0T ONLY: A LOW-PROFILE RACHET SCREW DRIVER IS NEEDED TO REMOVE ONE OF THE TOP SCREWS. (See Page 3)

SHOP SUPPLIES:

- 1 Spray Lubricant



20165

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	56718	TIP ASSEMBLY	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 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.*

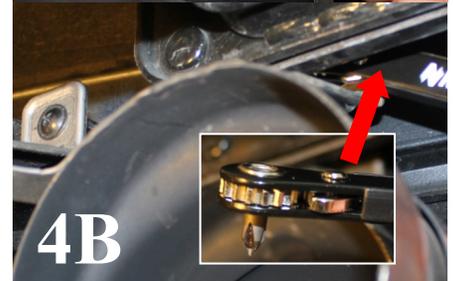
Original System Removal

NOTE: *Both rear mufflers need to be removed from vehicle prior to installation.*

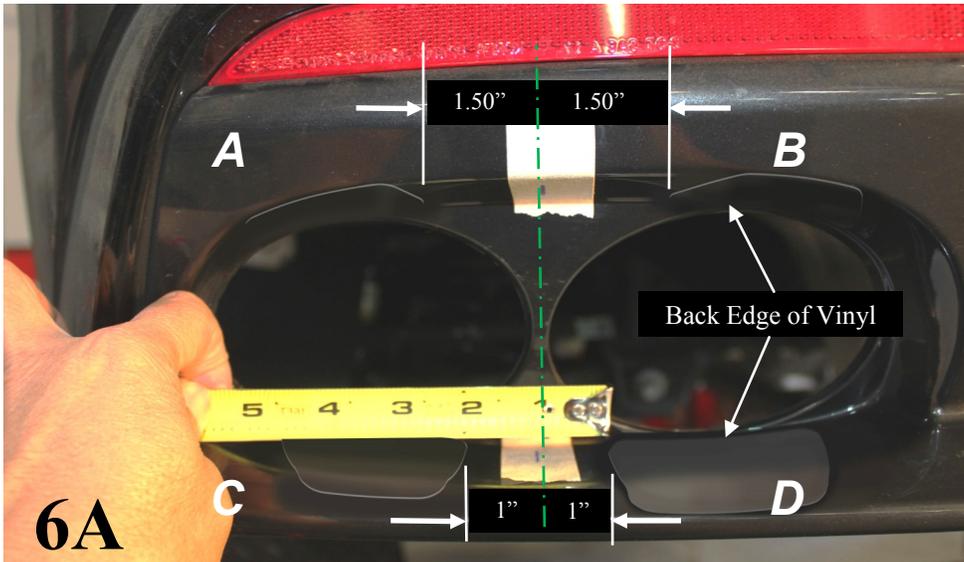
1. Lubricated all hangers, rubber isolator, bolts and nuts.
2. Carefully loosen and remove hardware on flanges on rear muffler. Loosen and remove the hardware on the cross-brace. Keep the hardware for reinstallation of your new Borla system. (See Fig. 1)
3. Use a muffler stand or an additional person to hold the front exhaust assembly. Remove hangers from rubber isolators and carefully remove the left-side and right-side rear mufflers from the vehicle. (See Fig. 2)
4. Starting on the left-side tip bracket assembly, remove (2) top fasteners and (2) bottom fasteners as shown. Keep the top (2) fasteners for reinstallation. (See Fig. 4A)

2.0T ONLY: A LOW-PROFILE RACHET SCREW DRIVER IS NEEDED TO REMOVE ONE OF THE TOP SCREWS. (See Fig. 4B)

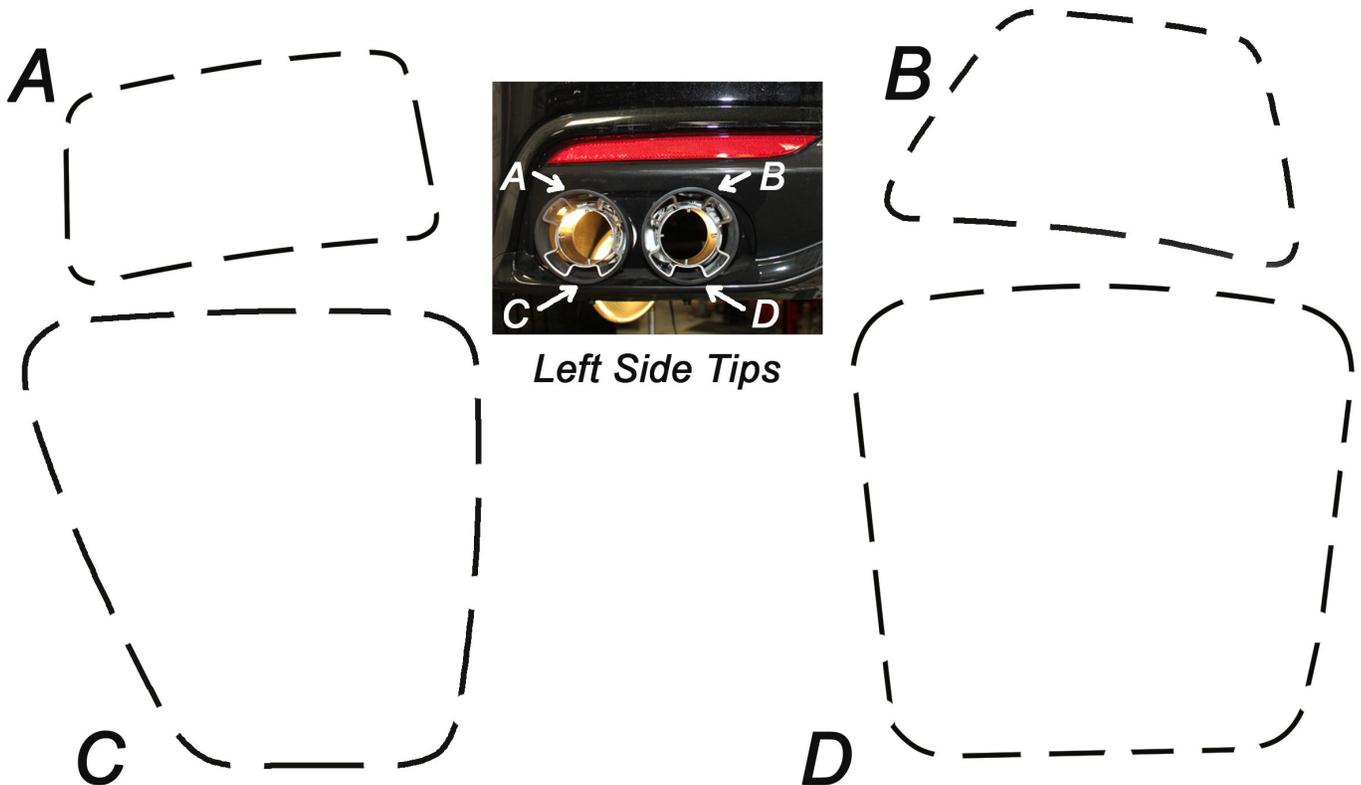
5. Remove left-side tip bracket assembly from vehicle. (See Fig. 5)
6. Repeat STEPS 4-5 to remove the right-side tip bracket assembly.



Tip valence Left-Side Tip Guard Patterns - Protects painted surfaces



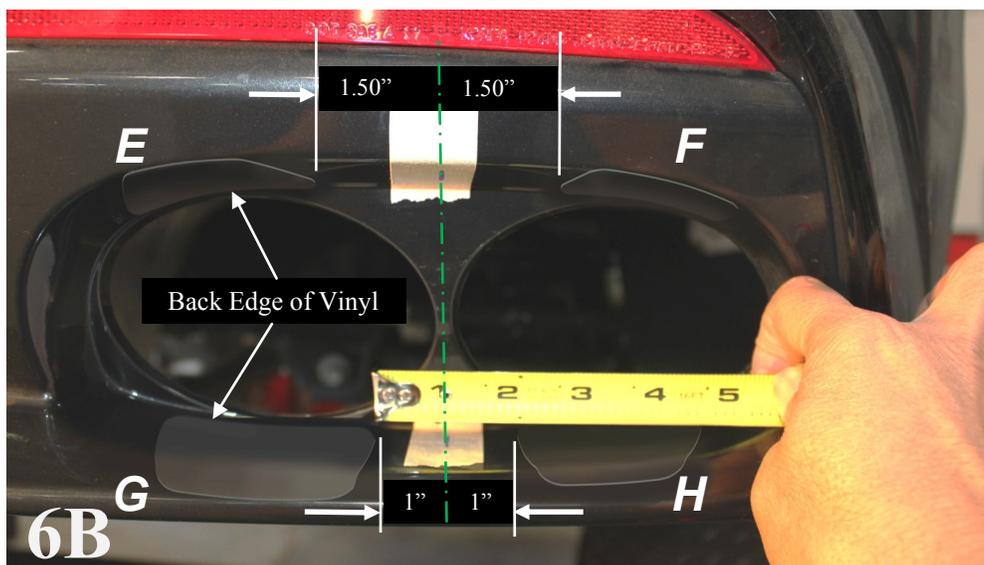
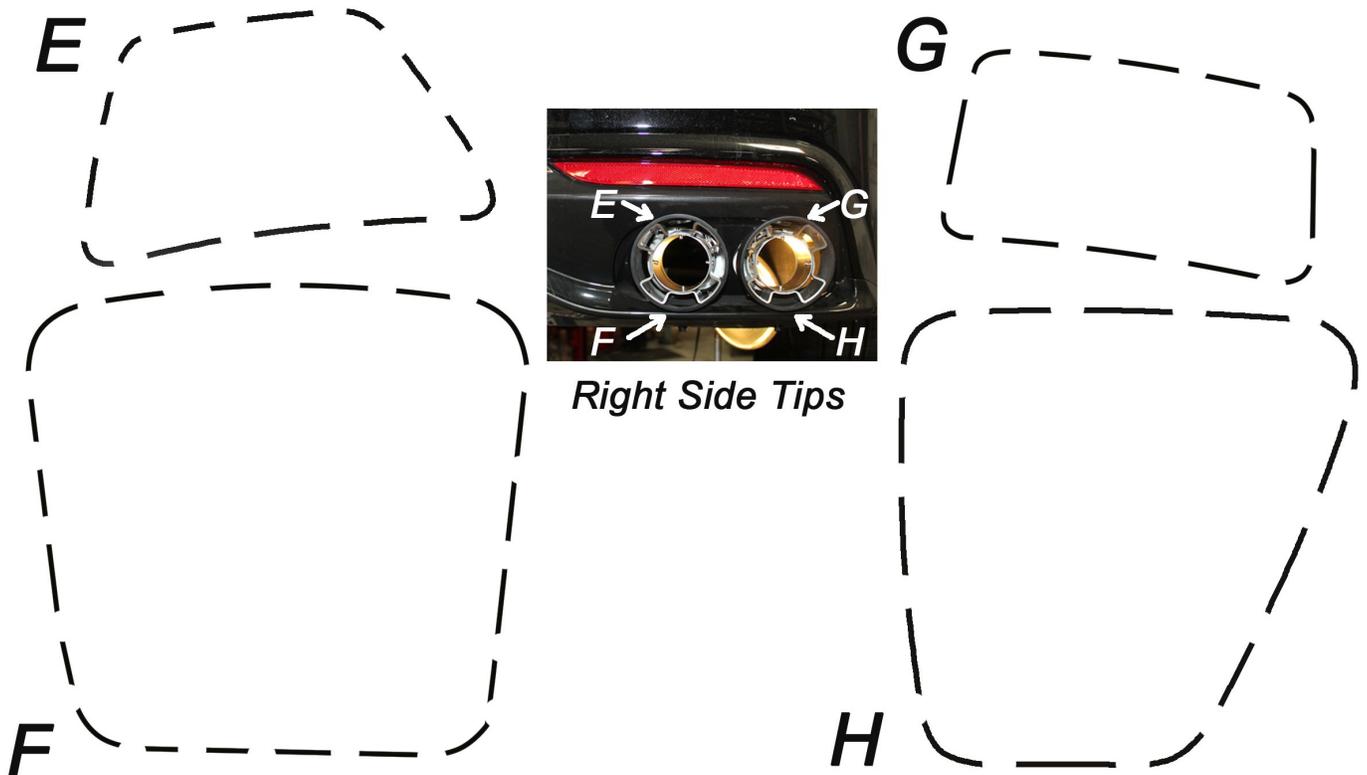
1. Clean hands before contacting vinyl.
2. Clean painted surfaces and remove wax before applying.
3. Mark a vertical centerline between the tips as shown and note the distances of the top (1.50") and bottom (1.00") inside edges. (See Fig. 6A)
4. Carefully place and stick the corresponding vinyl against the back edge corner .
5. Apply even pressure to vinyl making sure all edges are sealed.



NOTE: Clean and remove surface wax before applying to valence.

Tip valence Right-Side Tip Guard Patterns - Protects painted surfaces

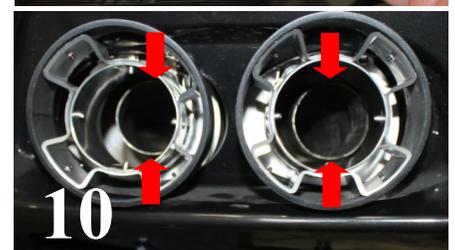
NOTE: Clean and remove surface wax before applying to valence.



1. Clean hands before contacting vinyl.
2. Clean painted surfaces and remove wax before applying.
3. Mark a vertical centerline between the tips as shown and note the distances of the top (1.50") and bottom (1.00") inside edges. (See Fig. 6B)
4. Carefully place and stick the corresponding vinyl against the back edge corner .
5. Apply even pressure to vinyl making sure all edges are sealed.

Borla Performance Exhaust Component Installation

1. Insert and orient a **Clamp** on the tube of the **Bracket Assembly** making sure the clamp bolt is positioned on top with the head on the OUTSIDE as shown. (See Fig. 7A) **IMPORTANT:** Leave a .125" gap as shown on ALL (4) clamps to allow the clamp to tighten on the tip. (See Fig. 7B).
2. Starting on the Left Side install the **Bracket Assembly** to the inside of the valence. Use original screw for the top of **Bracket Assembly** (See Fig. 8A) Do not tighten hardware. **NOTE:** Use **EXTENSION PLATE & PROVIDED HARDWARE** installed for 2.0T vehicle. Do not tighten hardware. (See Fig. 8B)
3. Install provided **M6 Nut-Bolt** for the lower **Bracket Assembly**. Install both inside & outside **Bracket Assemblies** to left-hand valence. Do not tighten hardware.
4. Carefully insert the **Tip Assembly** (from the outside) through the valence, through the **Clamp** and into the **Bracket Assembly**. Check orientation of the tip and gently snug the tip to the valence. Install both inside and outside **Tip Assemblies**. Do not tighten hardware. (See Fig. 9)
5. Repeat **STEPS 1-4** for the right-side valence **Bracket Assemblies & Tip Assembly**.
6. Re-install left-side and right-side rear mufflers to vehicle.
7. Check your exhaust system for proper clearance under the vehicle and also for **tip alignment to muffler outlets**. Align the exhaust tips to the center of the **Bracket Assembly** tube centers. (See Figs. 10 & 11)
8. Tighten (4) philips head screws 3 ft. lbs and (4) lower hardware bolts to 17 ft. lbs. Orient position of bolt (on supplied clamps) and tighten to 25 ft. lbs. torque.
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.



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.