BORLA PERFORMANCE INDUSTRIES
500 Borla Drive
Johnson City TN, 37604-7523
805-986-8600

Installation Guide for Ford Mustang EcoBoost

PNs: 140979/BC/CFBA, 140980/BC/CFBA, 140981/BC/CFBA, 140982/BC/CFBA



******* 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 140979, 140979BC, and 140979CFBA are designed for the Ford Mustang, equipped with a 2.3L inline-4 turbo-charged engine, without Active Valve Performance Exhaust and RWD automatic transmission.

Borla Performance Cat-Back™ exhaust system PNs 140980, 140980BC, and 140980CFBA are designed for the Ford Mustang, equipped with a 2.3L inline-4 turbo-charged engine, Active Valve Performance Exhaust and RWD automatic transmission.

Borla Performance Cat-Back™ exhaust system PNs 140981, 140981BC, 140981CFBA, 140982, 140982BC, and 140982CFBA are designed for the Ford Mustang, equipped with a 2.3L inline-4 turbo-charged engine, without Active Valve Performance Exhaust and RWD automatic transmission. You must replace the rear valance with one from a Mustang with factory quad tips. (Ford PNs- W/Parking Sensors: PR3Z-17F828-DA W/O Parking Sensors: PR3Z-17F828-CA)

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:

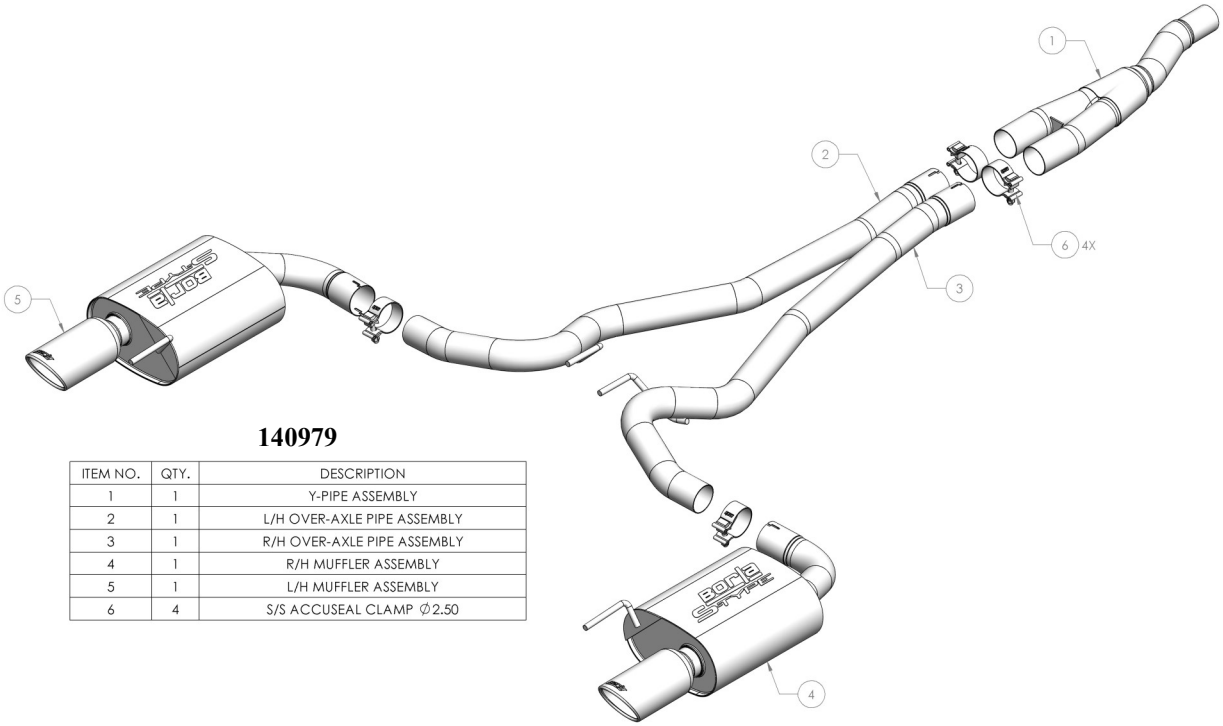
TOOLS:

1. 3/8” drive ratchet
2. 3/8” drive extension 6”
3. 7mm socket
4. 10mm socket
5. 13mm deep well socket
6. 15mm deep well socket
7. Pry bar

SHOP SUPPLIES:

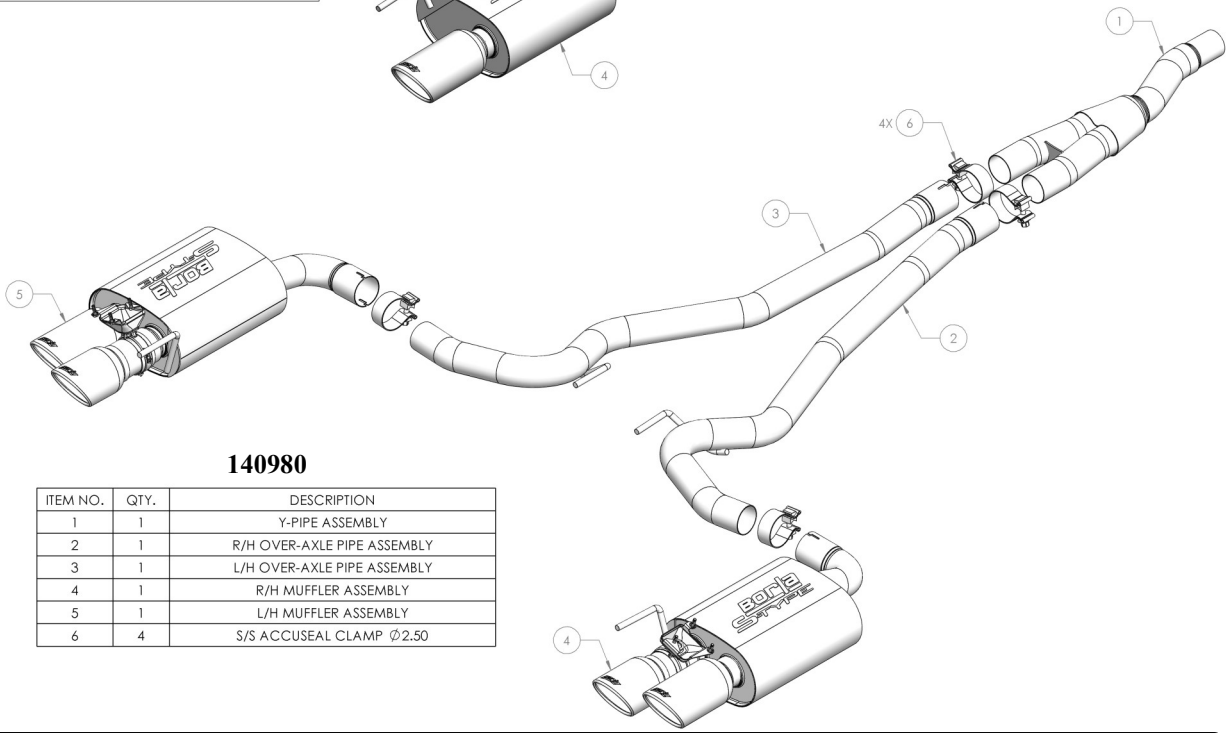
1. Spray lubricant

Borla Performance - Bill of Materials



140979

ITEM NO.	QTY.	DESCRIPTION
1	1	Y-PIPE ASSEMBLY
2	1	L/H OVER-AXLE PIPE ASSEMBLY
3	1	R/H OVER-AXLE PIPE ASSEMBLY
4	1	R/H MUFFLER ASSEMBLY
5	1	L/H MUFFLER ASSEMBLY
6	4	S/S ACCUSEAL CLAMP ∅2.50

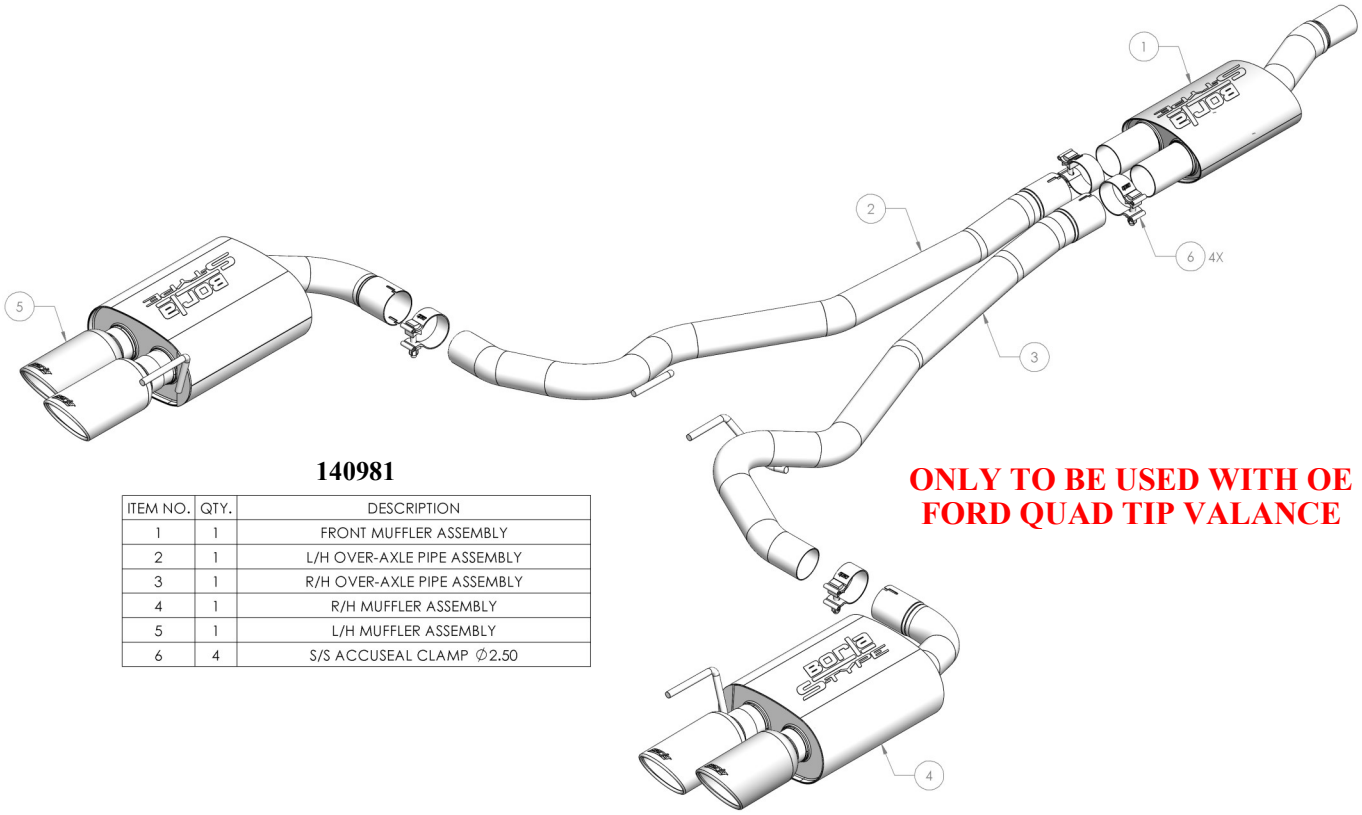


140980

ITEM NO.	QTY.	DESCRIPTION
1	1	Y-PIPE ASSEMBLY
2	1	R/H OVER-AXLE PIPE ASSEMBLY
3	1	L/H OVER-AXLE PIPE ASSEMBLY
4	1	R/H MUFFLER ASSEMBLY
5	1	L/H MUFFLER ASSEMBLY
6	4	S/S ACCUSEAL CLAMP ∅2.50

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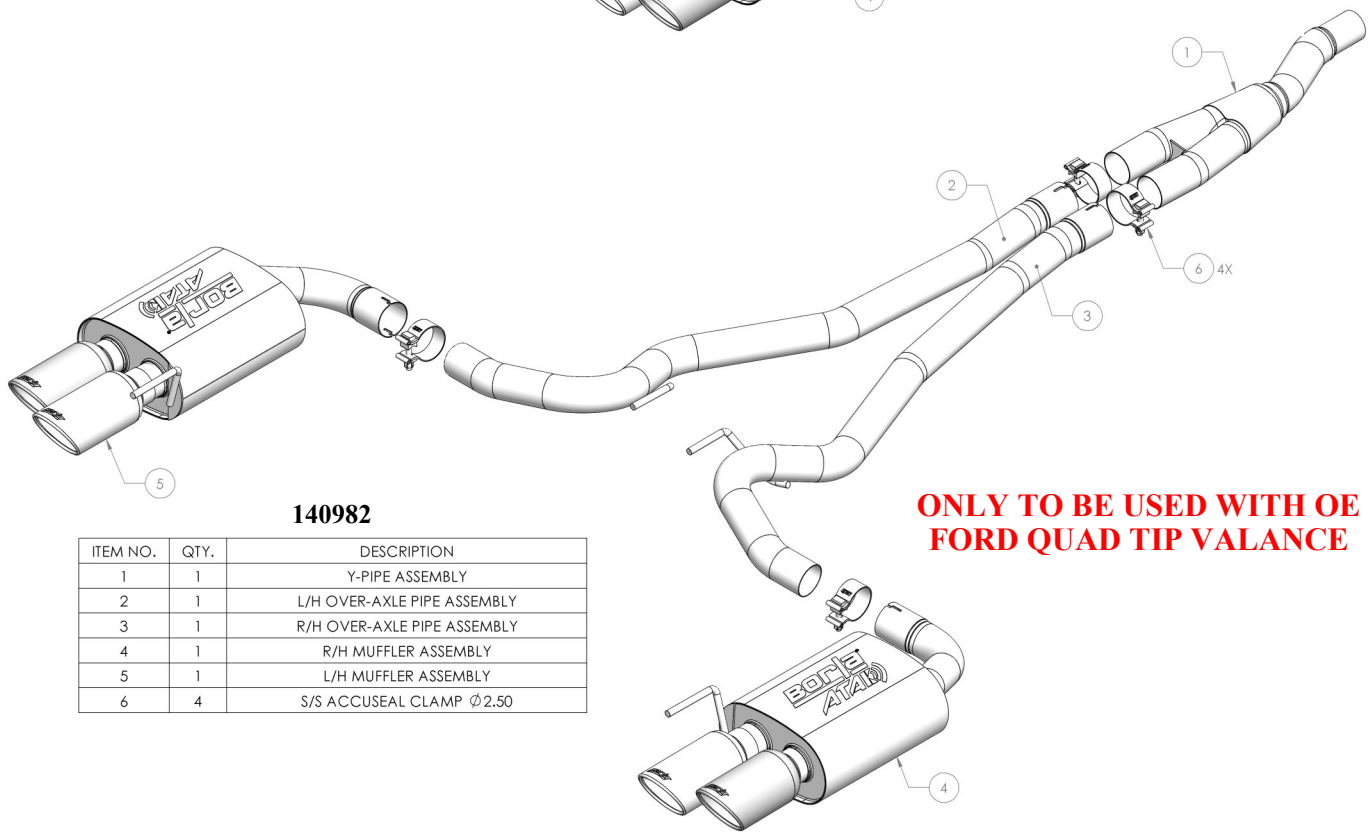
Borla Performance - Bill of Materials



140981

ITEM NO.	QTY.	DESCRIPTION
1	1	FRONT MUFFLER ASSEMBLY
2	1	L/H OVER-AXLE PIPE ASSEMBLY
3	1	R/H OVER-AXLE PIPE ASSEMBLY
4	1	R/H MUFFLER ASSEMBLY
5	1	L/H MUFFLER ASSEMBLY
6	4	S/S ACCUSEAL CLAMP ∅2.50

ONLY TO BE USED WITH OE FORD QUAD TIP VALANCE



140982

ITEM NO.	QTY.	DESCRIPTION
1	1	Y-PIPE ASSEMBLY
2	1	L/H OVER-AXLE PIPE ASSEMBLY
3	1	R/H OVER-AXLE PIPE ASSEMBLY
4	1	R/H MUFFLER ASSEMBLY
5	1	L/H MUFFLER ASSEMBLY
6	4	S/S ACCUSEAL CLAMP ∅2.50

ONLY TO BE USED WITH OE FORD QUAD TIP VALANCE

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.

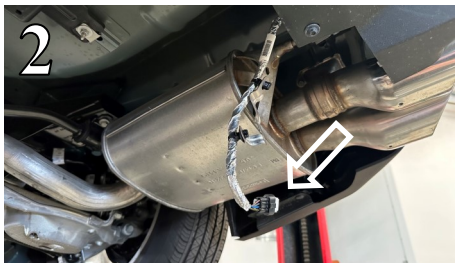
Note: Before removing the original exhaust system from your vehicle, please compare the parts you have received with the bill of materials provided on the previous page to assure that you have all the parts necessary for the installation of your new Borla Performance Exhaust System.

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.

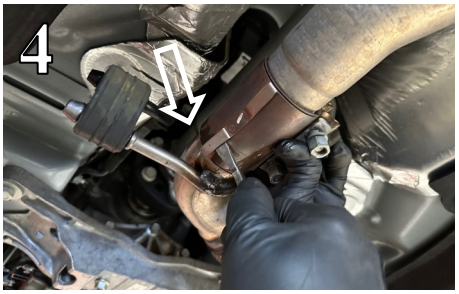
Original Exhaust System Removal

1. Lubricate all hangers, rubber isolators, bolts and nuts.
2. Remove hardware attaching the under tray to the vehicle and remove the under tray from the vehicle (Fig. 1). Save this hardware for reinstallation.
3. For vehicles with Active Valve Performance Exhaust, unplug the electrical connector and remove the wiring harness from the bracket (Fig. 2).
4. Remove the hardware connecting the intermediate pipe assembly isolators to the vehicle and lift and release the isolators from the vehicle (Fig. 3). Save this hardware for installation of your Borla system.
5. Using a flathead screwdriver or a prybar, lift and release the tabs on the sleeve clamp. Then loosen the hardware on the clamp and slide it toward the front of the vehicle (Fig. 4).
6. Using a muffler stand or an additional person, lower the front of the exhaust system and slide the assembly forward releasing the mufflers from their isolators, and remove from the vehicle (Fig. 5).
7. For vehicles with Active Valve Performance Exhaust, loosen and remove the hardware connecting the valve actuator to the muffler assembly. Remove the bracket as well as the actuator from the muffler assembly (Fig. 6). Save this hardware and components for installation of your Borla system.









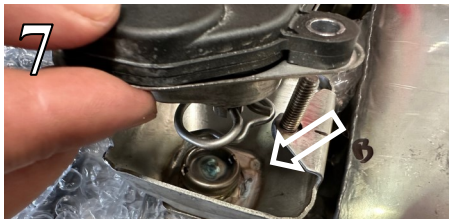


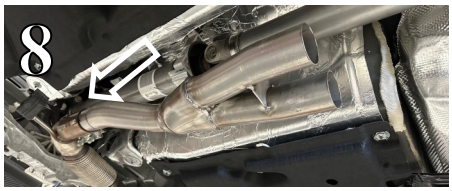


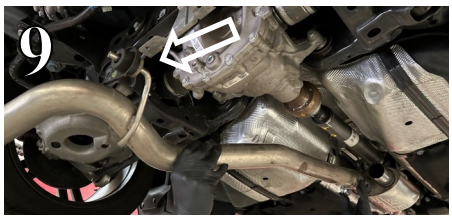
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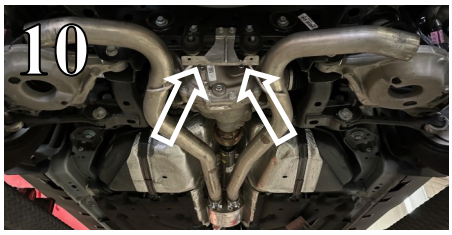
Borla Performance Cat-Back ™ Exhaust System Installation

1. Orient components on shop floor according to Borla bill of materials drawings on pages 2-3.
2. For vehicles with Active Valve Performance Exhaust, using original hardware install the original valve actuator to the valve assembly on the Borla **Muffler Assemblies** (Fig. 7). Make sure that the straight portions of the spring lock into the notches on the top of the Borla valve assembly.
3. Install the **Y-Pipe Assembly** or **Front Muffler Assembly** to the vehicle using the original sleeve clamp (Fig. 8). Do not tighten the clamp.
4. Place a clamp over the expanded end of the **L/H Over-Axle Pipe Assembly** and insert the inlet to the **Y-Pipe Assembly** or **Front Muffler Assembly**. Install the original rubber isolator assembly to the **L/H Over-Axle Pipe Assembly** hanger. Using the original hardware, attach the rubber isolator assembly to the vehicle (Figs. 9-10). Do not tighten the clamp.
5. Repeat Step 3 for installation of the **R/H Over-Axle Pipe Assembly**.
6. Place a clamp over the expanded end of the **R/H Muffler Assembly** and insert the inlet to the **R/H Over-Axle Pipe Assembly**. For vehicles with the Active Valve Performance Exhaust, reconnect the wire harness to the actuator and attach the harness clip to the actuator bracket. Insert the hanger into the original rubber isolator (Fig. 11). Do not tighten the clamp.
7. Repeat step 6 for the installation of the **L/H Muffler Assembly**.
8. Once position has been determined to be correct, tighten the Accuseal clamps to 32-35 ft. lbs (Fig. 12).
9. Install the original under tray using the original hardware (Fig. 13).
10. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
11. 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.