

X-Pipe Installation for Chevrolet Corvette C7 Stingray

PNs – 60547* and 60548



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 System.

Borla Performance X-Pipe (PN-60547*) is designed for the C7 Corvette Stingray Coupe/Convertible, 6.2L V8 engine, automatic or manual transmissions. *PN-60547 - OFF-ROAD USE ONLY

Borla Performance X-Pipe (PN-60548) is designed for the C7 Corvette Stingray Coupe/Convertible, 6.2L V8 engine, automatic or manual transmissions.

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:

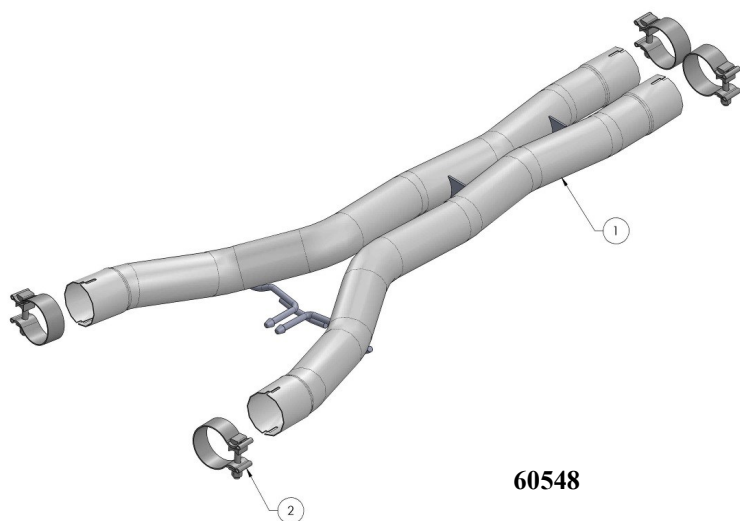
TOOLS:

1. 3/8" Drive Ratchet
2. 3/8" Drive Extension 9"
3. 18mm Socket
4. 3/8" Universal Swivel
5. 15mm Socket
6. 13mm Socket
7. 10mm Socket
8. 8mm Socket
9. 7mm Socket
10. Pry Bar

SHOP SUPPLIES:

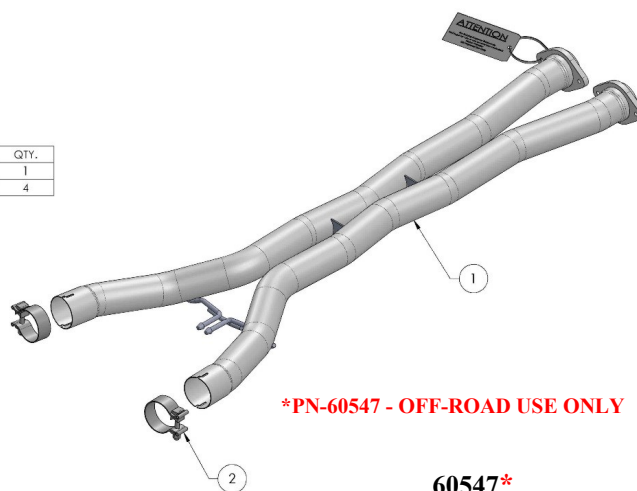
- 1 Spray Lubricant

Borla Performance - Bill of Materials



60548

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	55158	X-PIPE ASSEMBLY	1
2	90116	S/S ACCUSEAL CLAMP Ø2.75	4



***PN-60547 - OFF-ROAD USE ONLY**

60547*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	55144	X-PIPE ASSEMBLY	1
2	90116	S/S ACCUSEAL CLAMP Ø2.75	2
3	96240	OFF HIGHWAY USE ONLY DISCLAIMER	1

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. Loosen and remove bolts holding Tunnel Stiffening Brace using 13mm and 15mm sockets. *Note (2) keyhole-slots in the middle of the brace. Loosen (do not remove these bolts) and carefully slide brace rearwards and remove. Keep for reinstallation later.* (See Fig. 1)
2. Loosen and remove flange bolts at front of mid-pipe. Keep hardware for reinstallation late. (See Fig. 2)
3. Loosen and remove 13mm bolts at rear of mid-pipe. Loosen (2) 15mm clamp nuts at rear of mid-pipe (do not remove clamps). (See Fig. 3)
4. Carefully remove factory x-pipe from vehicle. (See Fig. 4)

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.*

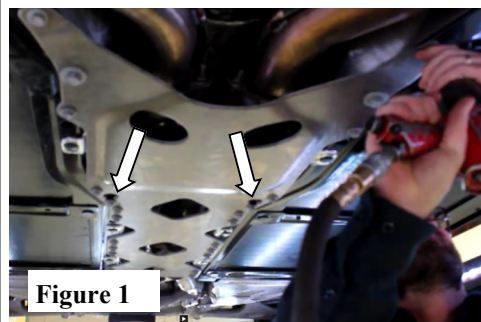


Figure 1

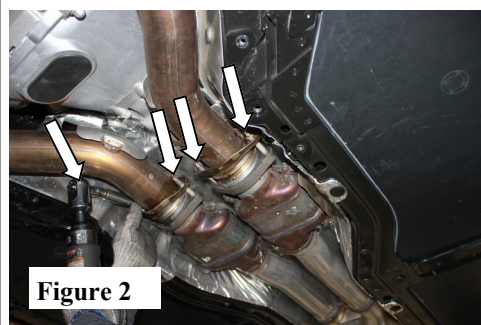


Figure 2

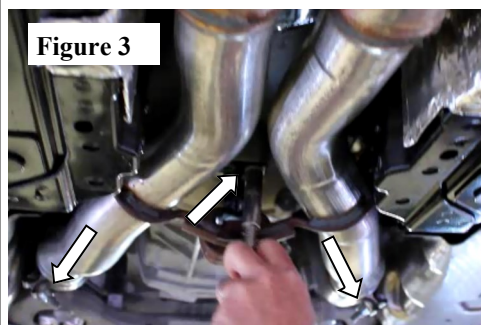


Figure 3



Figure 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.

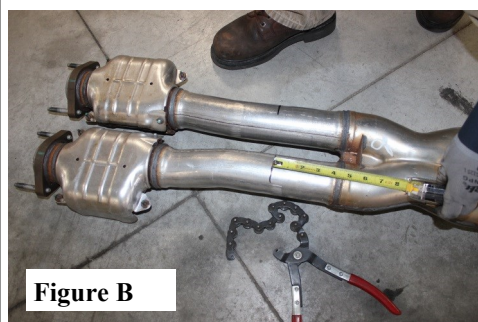
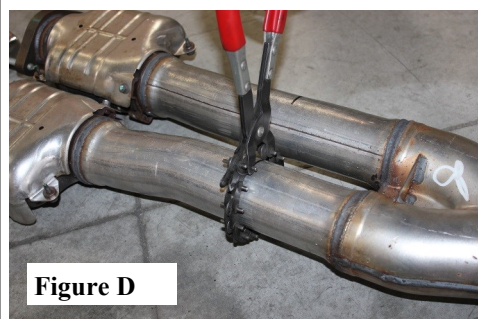
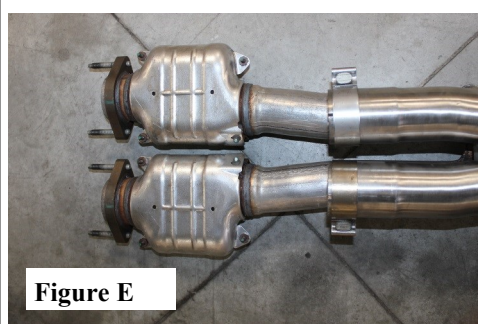
Note: With a used vehicle, we suggest a penetrating spray lubricant to be applied liberally to all exhaust fasteners and allowing a significant period of time for the chemical to lubricate the threads before attempting to disassemble.

Borla Performance X-Pipe Installation PN - 60547 (Cut & Clamp Factory Catalytic Converters)

1. Refer to page 2 component descriptions. Factory x-pipe and Borla 60547. (See Fig. A)
2. Place factory x-pipe on flat surface. Measure and mark a cutting line 4" from x-pipe weld on left and right pipe. (See Figs 6 & 7).
3. Use a metal-cutting saw or chain tool, carefully cut both pipes at mark. Clean and de-burr edges of the catalytic converter newly cut pip. (See Fig. 8)
4. Place a clamp on inlets of **X-Pipe Assembly**. Insert and orient newly cut pipe sections into **X-Pipe Assembly**. Lightly tighten clamp nuts. (See Fig. 9)

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.

*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.*

**Figure A****Figure B****Figure C****Figure D****Figure E**

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.

Borla Performance X-Pipe Installation

PN - 60548 (Off-Road-Use-Only X-Pipe)

1. Refer to page 2 component descriptions. Factory x-pipe and Borla 60548. (See Fig. F)
2. With a screwdriver, carefully remove (2) factory gaskets from the factory front flanges. (See Fig. G)
3. Orient and position factory gaskets to **Borla X-Pipe Assembly**. (See Fig. H)
4. Carefully remove rear rubber isolator from factory x-pipe . (See fig. I)
5. Orient and install rubber isolator to **Borla X-Pipe Assembly**. (See Fig. J)

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.

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.

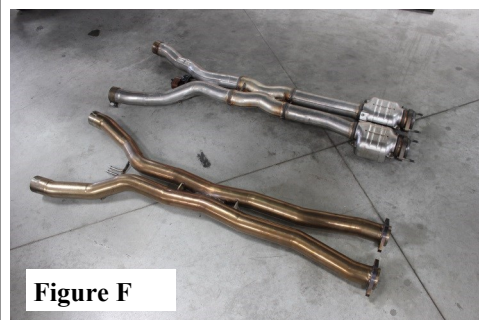


Figure F



Figure G



Figure H



Figure I

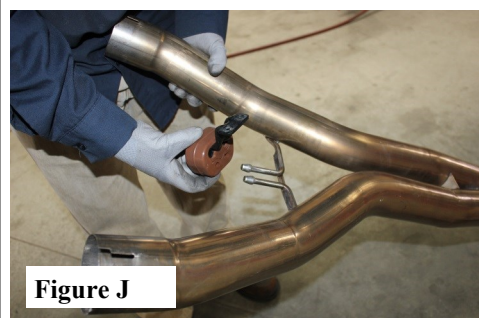


Figure J

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.

Borla Performance X-Pipe Installation (continued)

14. Reinstall the **X-Pipe Assembly (60547 or 60548)** inserting the outlets first then aligning the front-flanges to the factory cat-pipe. (See Fig. K)
15. Use factory hardware to connect the front-flanges and rear hangars to vehicle. Begin tightening bolts at rear hangar making sure the mid-pipe is level. Tighten front-flanges hardware to factory specs making sure the flanges remain parallel. (See Fig. L)
16. Before tightening over axle clamps, push both over axle pipes forward to verify tube seating into mid-pipe. Position clamp bolt between over pipe-notches and lightly tighten clamp nut with 15mm socket to 35 ft lbs. Repeat for other side. (See Fig. M)
17. Use provided (4) bolts and carefully thread in to X-Pipe Assembly flanges. Tighten hardware to 35 ft lbs.
18. **(60547 only)** orient front clamps bolts between pipe notches and tighten 15mm nuts to 35 ft lbs.

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.

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.*



Figure K



Figure L



Figure M