

Chevrolet Camaro (Gen6) Installation Guide Long Tube Header PN- 17293



******* Please compare the parts in the box with the bill of materials provided *****
(view the following pages) 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 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 Exhaust System.

Borla Performance Exhaust System (PN-17293) is designed for the Chevrolet Camaro 6.2L V8 engine with manual or automatic transmission. It is designed to fit Borla Exhaust Systems and does NOT fit the factory exhaust.

PN-17293 SYSTEM IS NOT EMISSIONS COMPLIANT. ** FOR COMPETITION USE ONLY **

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:

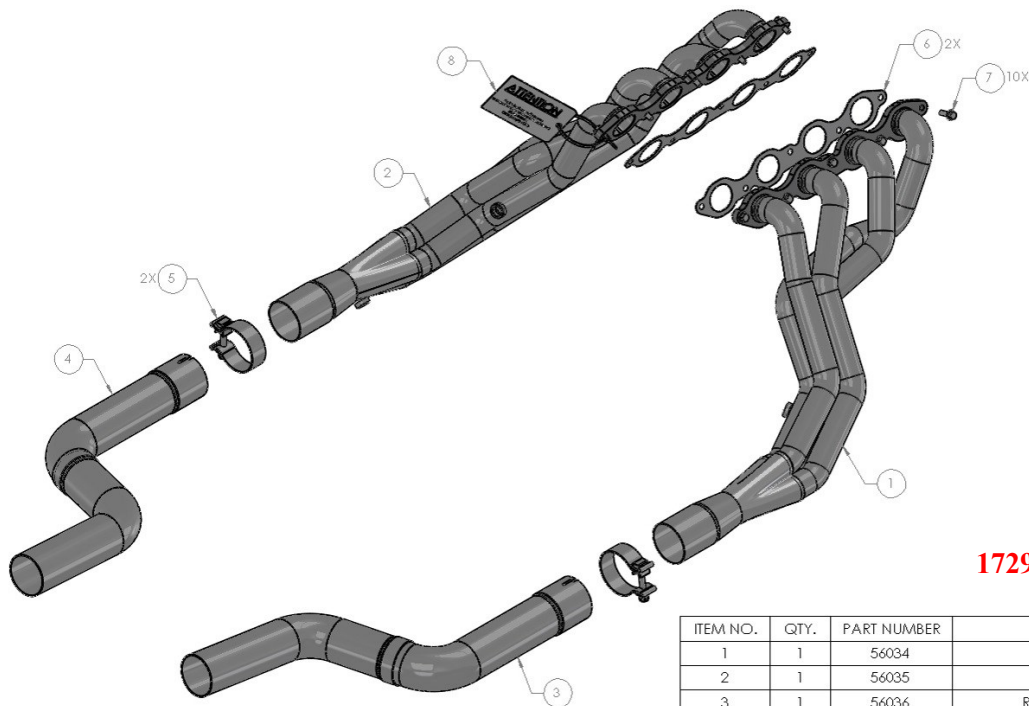
TOOLS:

1. 3/8" Drive Ratchet
2. 3/8" Drive Extension 6" & 9"
3. 7/8 Socket 02 Censor
4. 15mm Socket
5. 14mm Socket
6. 13mm Socket
7. 11mm Socket
8. Torx T-30
9. Small Flat Screwdriver
10. Pry Bar

SHOP SUPPLIES:

- 1 Spray Lubricant

Borla Performance - Bill of Materials

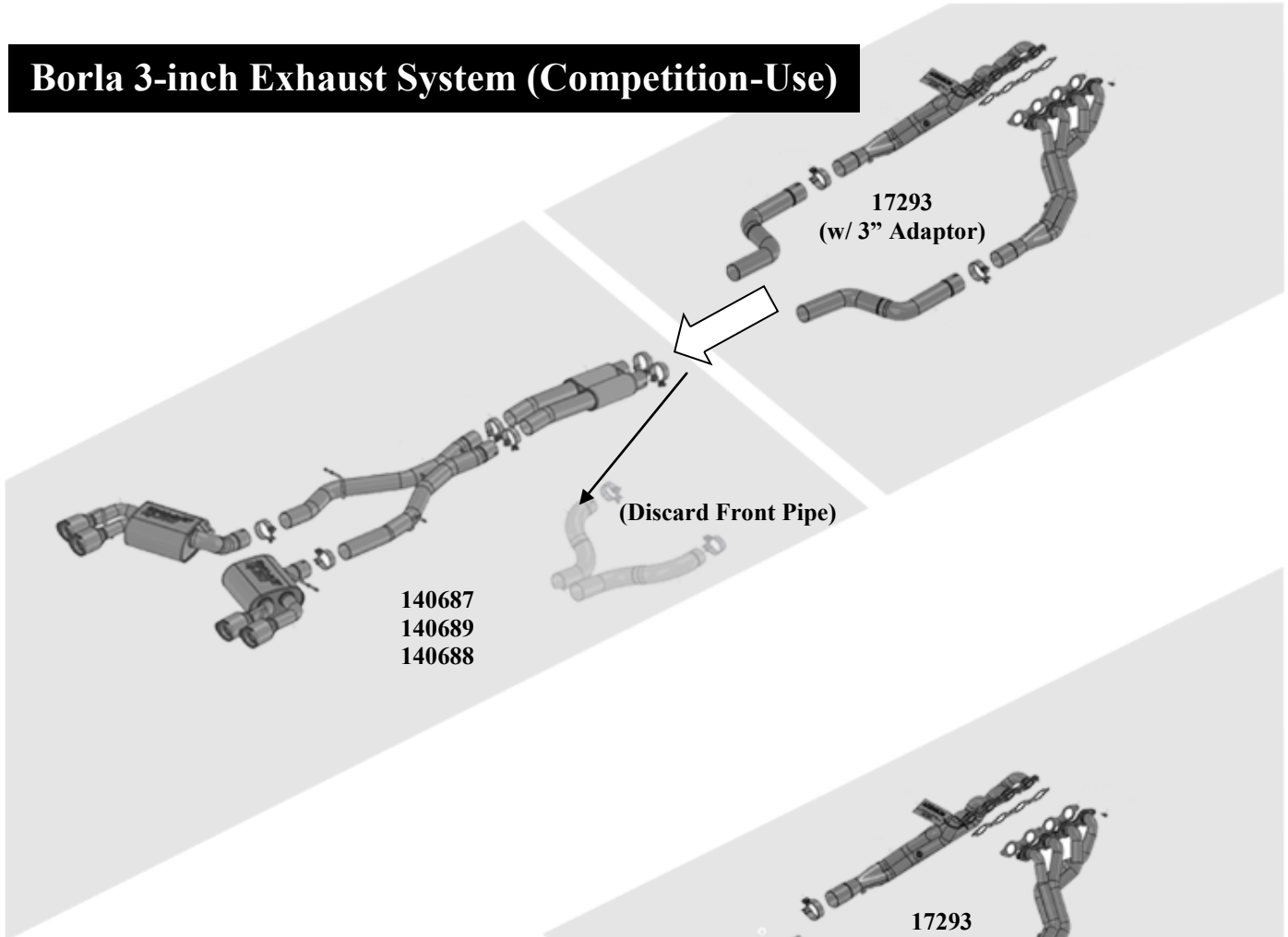


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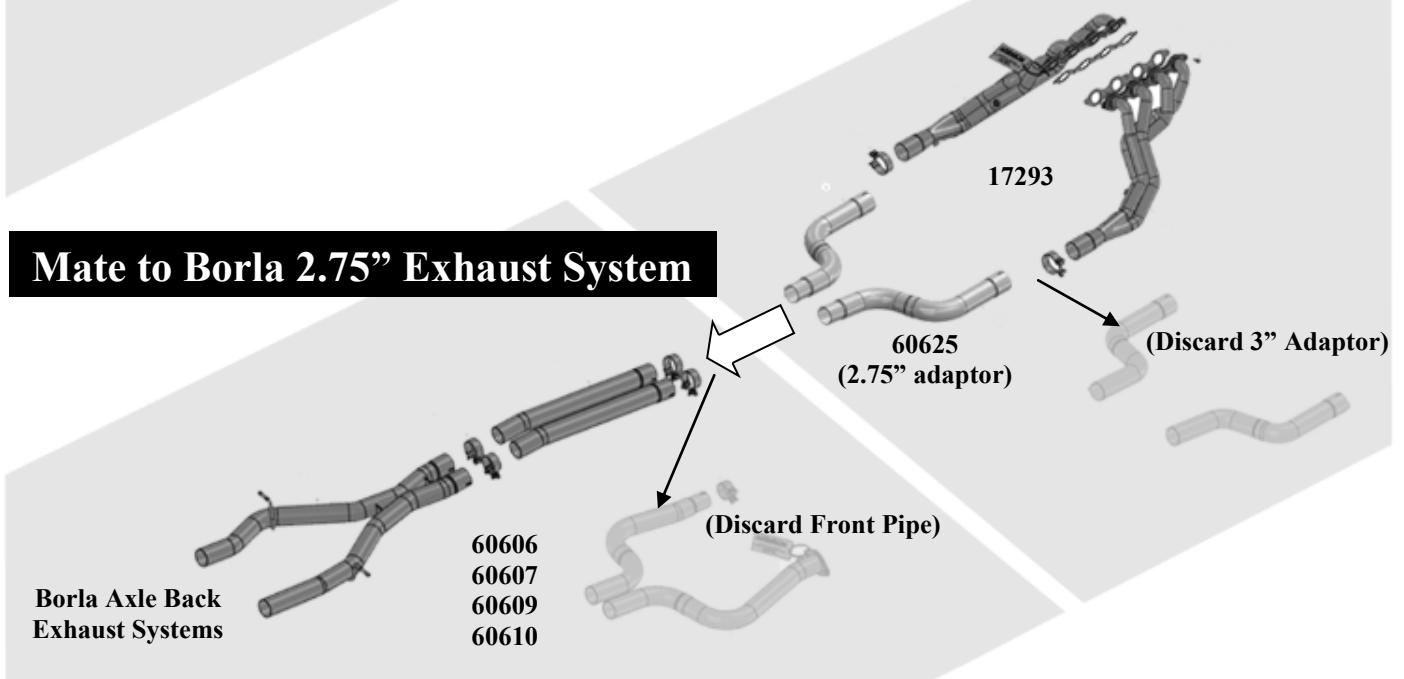
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	56034	R/H HEADER ASSEMBLY
2	1	56035	L/H HEADER ASSEMBLY
3	1	56036	R/H EXTENSION PIPE ASSEMBLY
4	1	56037	L/H EXTENSION PIPE ASSEMBLY
5	2	90114	3.00 ACCUSEAL CLAMP
6	2	47981	HEADER GASKET: 17.84 X 2.50 X .060" THK, S/S
7	10	91101	SCREW: M8 X 1.25p X 25
8	1	96240	OFF HIGHWAY USE ONLY DISCLAIMER

Long Tube Header diagrams for 3.00" & 2.75" Borla Systems

Borla 3-inch Exhaust System (Competition-Use)



Mate to Borla 2.75" Exhaust System



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.*

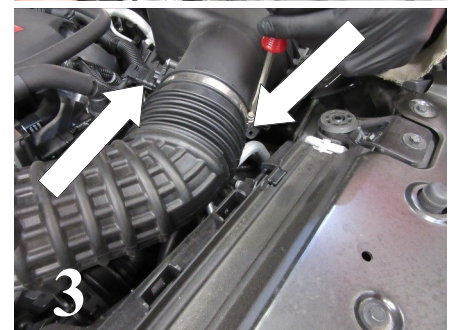
Note: *With a used vehicle, we suggest a penetrating spray lubricant to be applied liberally to all exhaust fasteners and allowing a significant period of time for the chemical to lubricate the threads before attempting to disassemble.*

Original Manifold System Removal

1. Disconnect the battery from the vehicle as recommended by the vehicle manufacturer.
2. Remove the decorative covers from the top of the engine by pulling straight up. (See Fig. 1)
3. Remove the oil filler cap, lower engine covers (T30 Torx), and ignition leads. (See Fig. 2)
4. Loosen clamp on intake box at the rubber boot with a flat blade screwdriver and detach rubber boot. Disconnect electrical connector from MAF sensor. (See Fig. 3)
5. Remove airbox from vehicle by pulling up and out of its rubber sockets. (See Fig. 4)
6. Remove the single bolt securing the coolant reservoir using a 10mm socket. Detach the rubber hose mounted on the front side of the reservoir and pull the reservoir out and to the side to gain clearance for working below it. (See Fig. 5)

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.*



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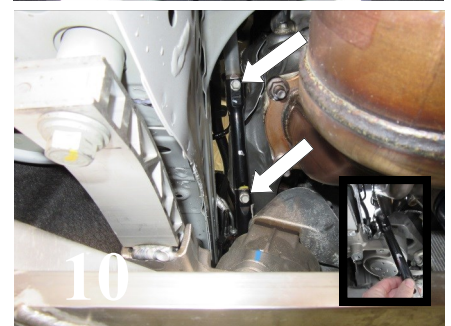
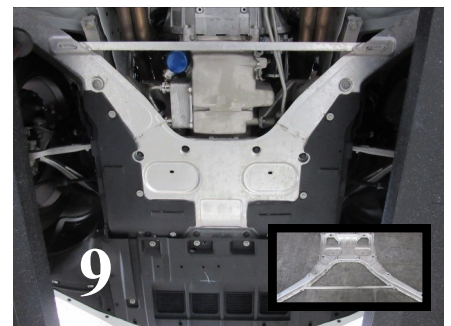
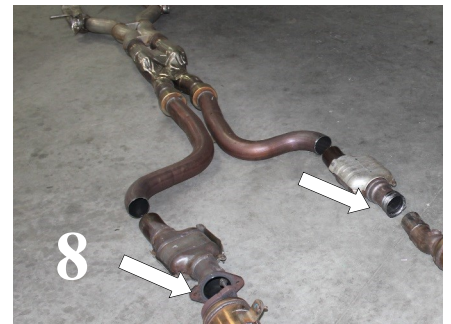
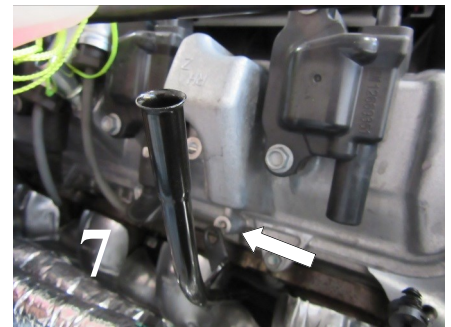
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Original Manifold System Removal (cont'd)

7. Remove the wire loom bracket on the right side of the engine by loosening the 13mm bolt securing it to the engine, pull the bracket and wiring to the side for clearance purposes. (See Fig. 6)
8. Loosen and remove the single T30 Torx bolt that secures the dipstick assembly to the engine. The dipstick will be removed with the manifold later in the process. (See Fig. 7)
9. Remove the entire exhaust system from the vehicle at the connections. (See Fig. 8)
10. Remove aluminum brace from vehicle by pulling the following fasteners: 15mm headed fasteners 14pc, 10mm headed fasteners 10pc, 7mm headed fasteners 6pc, and 4 plastic body clips. (See Fig. 9)
11. Remove the steering shaft intermediate link as shown by removing the 2 bolts with an 11mm socket. (See Fig. 10)

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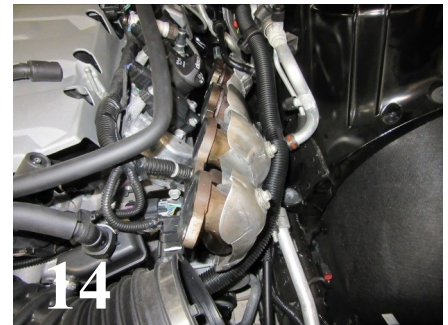
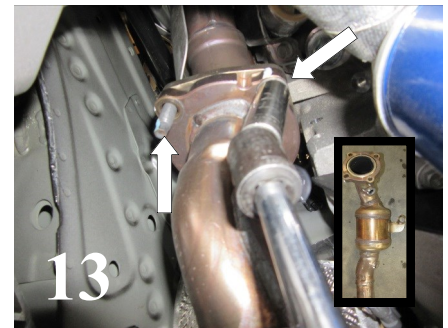
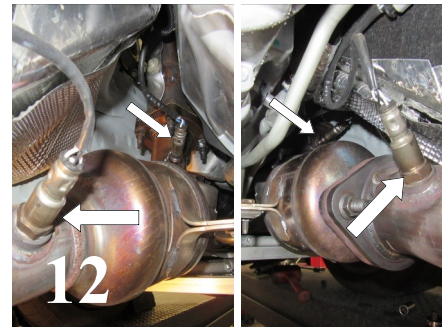
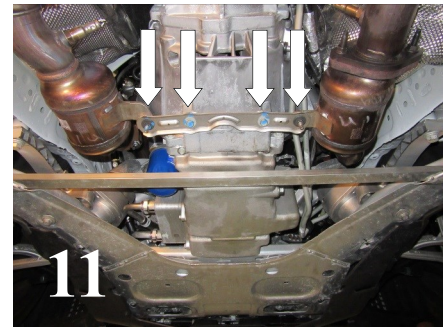
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Original Manifold System Removal (cont'd)

12. Loosen and remove 4 13mm fasteners securing the exhaust stabilizer bracket to the transmission, remove bracket from the vehicle. (See Fig. 11)
13. Disconnect the electrical connectors and unthread the 4 oxygen sensors from the exhaust using a 7/8" end-wrench or sensor socket. It is possible to remove the sensors by carefully unthreading them with the harness connected but damage to the wiring may result. (See Fig. 12)
14. Remove (8) 15mm nuts and bolts securing the primary catalyst to the manifolds and pull the catalyst from the vehicle. (See Fig. 13)
15. Remove 5 bolts per side securing the manifolds to the engine. The passenger side manifold will also contain the dipstick assembly. (See Figs. 14 & 15)

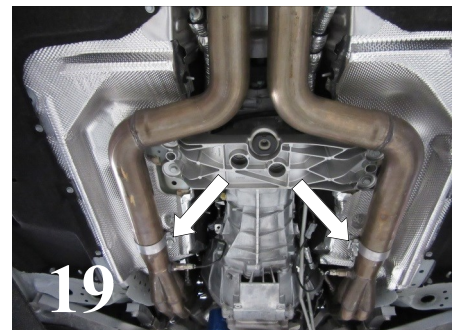
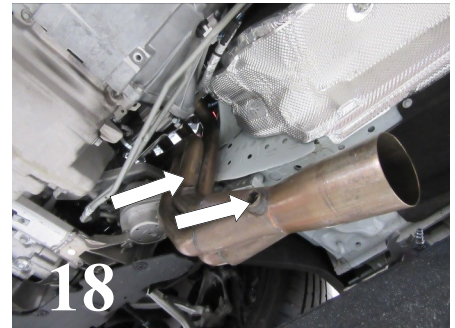


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Borla Performance Long Tube Header System Installation

1. Position the header against the engine, once in position place the exhaust manifold gasket between the header and the engine block. Loosely fit the replacement manifold bolts and tighten to (first stage) 15N·m (11 lb ft) and then to 20N·m (15 lb ft). Connect O2 sensors. (See Figs. 17 & 18)
2. Reinstall the dipstick assembly and tighten.
3. Place clamps over connection pipes and install over header outlets. (See Fig. 19)
4. Reinstall steering shaft link. (See Fig. 20)

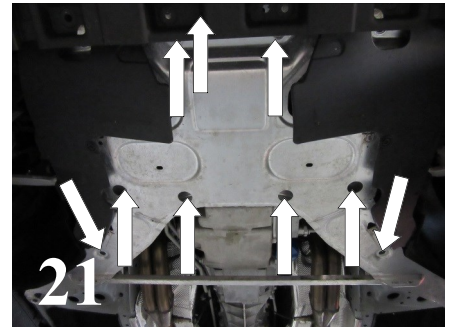


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Borla Performance Long Tube Header System Installation

5. Reinstall body brace under vehicle. (See Fig. 21)
6. Reinstall all engine covers and ignition leads. (See Fig. 22)
7. Place airbox back into position and tighten clamp on rubber boot. (See Fig. 23)
8. Reconnect the battery as recommended by the vehicle manufacturer. (See Fig. 24)
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.
10. Start vehicle and check for any leaks. If any leaks are found, determine cause (such as loose or incorrectly positioned clamp) and repair as necessary. Allow the exhaust to reach normal operating temperature and then turn engine off. (See Fig. 25)



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