



**Thank you for purchasing the Borla Performance Stainless Steel Headers.**

Precision manufactured using aircraft quality T-304 stainless steel; this header is designed to endure years of heavy use. Installing the Borla Performance Stainless Steel Header on your vehicle will eliminate the restrictive design of the stock exhaust manifolds, allowing your engine to discharge exhaust gas easier. The result is more horsepower and torque and longer engine life, with easy bolt-on installation. These installation instructions have been written to help you in the installation of your Borla Performance Stainless Steel Header. Please read it completely before attempting installation.

**These Borla Performance Stainless Steel Headers (Part number 17110) have been designed for the 1999-2003 Chevrolet 1500/2500 series Silverado/Suburban/Tahoe and GMC 1500/2500 series Sierra/Suburban/Yukon/Yukon XL equipped with the 4.8L/5.3L/6.0L engines, two or four wheel drive and automatic or standard 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...*

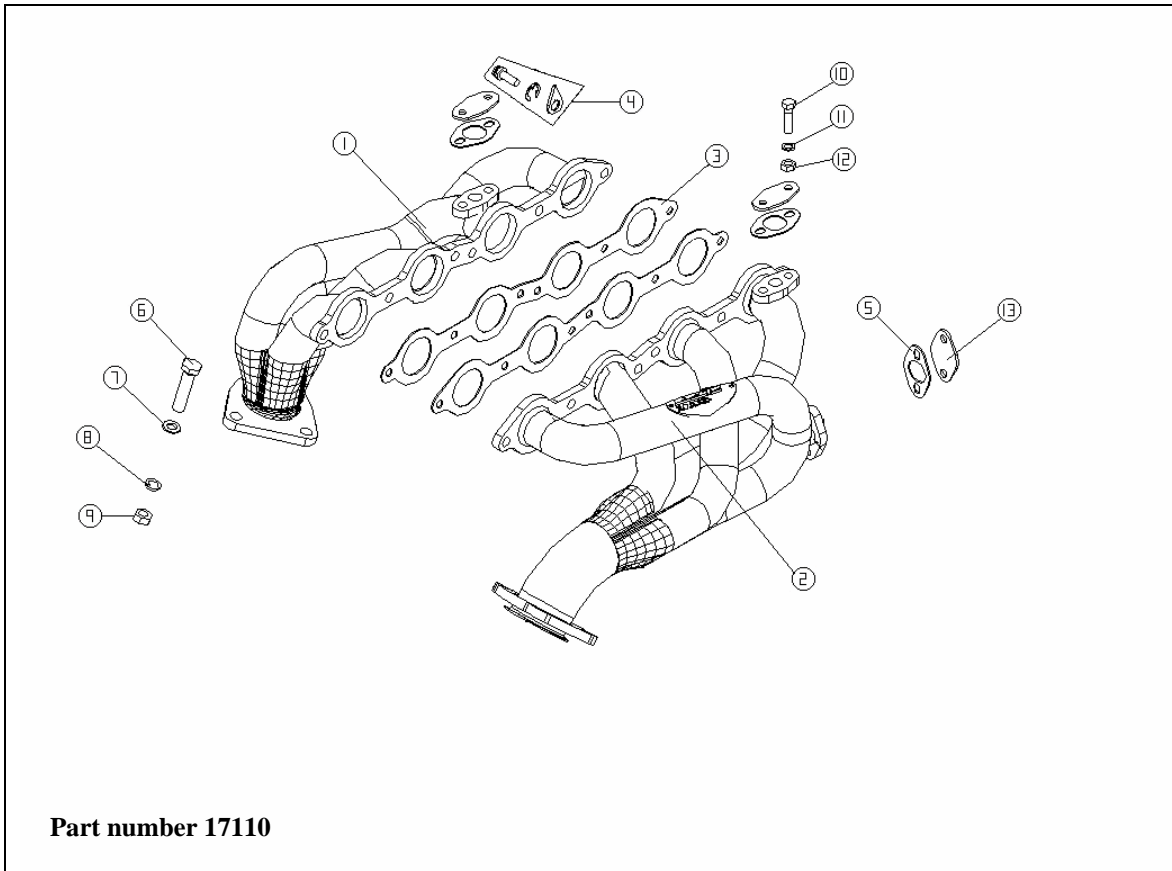
By installing your Borla Performance Stainless Steel Header, you indicate that you have read this document and you agree with the terms stated below.

It is the responsibility of the purchaser to follow all installation instruction guidelines and safety procedures supplied with your Borla Performance Stainless Steel Header.

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 Stainless Steel Header 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 Stainless Steel Headers, please give us a call at the number provided on the warranty card.

## Borla Performance Stainless Steel Header Bill of Materials



1. Left side header
2. Right side header
3. Header gasket (qty 2)
4. Stage 8 locking header bolt kit
5. Air injection gasket (qty 2)
6. Collector flange bolts (qty 6)
7. Flat washer (qty 6)
8. Lock washer (qty 6)
9. Flange nut (qty 6)
10. Air injection bolts (qty 6)
11. Lock washers (qty 6)
12. Air injection nuts (qty 6)
13. Air injection block off plate (qty 3)

**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 underneath any vehicle.

*Note: It is our recommendation that you use a hoist or hydraulic lift to facilitate the installation of your new Borla Performance Stainless Steel Headers.*

**Note: Before removing the original exhaust manifolds 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 Stainless Steel Header.**

## Original Exhaust Manifold Removal

*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.*

1. Disconnect battery by removing negative cable from the battery terminal.
2. Carefully lift vehicle and unbolt the two collector flanges as the one shown in figure 1 that connect the stock manifolds to the rest of the exhaust system.
3. Disconnect oxygen sensors and unbolt flange just in front of catalytic converter. Remove factory y-pipe.
4. Lower vehicle and remove wires from spark plugs making sure to take note of the original placement.
5. Remove the engine oil dipstick from the passenger side by removing the bolt securing it to the cylinder head.



**Figure 1**



**Figure2**

6. Remove EGR hoses from manifolds if vehicle is equipped with them.
7. Remove bolts securing the exhaust manifolds to the cylinder heads and remove manifolds from vehicle.
8. Once exhaust manifolds have been removed, remove the gaskets from the collector flanges on the passenger and driver side and set aside for use during the installation of your Borla Performance Stainless Steel Headers.

## **Borla Performance Stainless Steel Header Installation**

*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 Stainless Steel Headers. Use of such tools may result in bent flanges or gasket contact areas leading to exhaust leaks.*

1. Install gaskets previously removed into the passenger and driver side headers.
2. Making sure all mounting surfaces are clean and free of old gasket material, place the Borla Performance Stainless Steel headers in position
3. Install the stage 8 header locking bolts using the supplied header gaskets. Tighten bolts to the 23 to 33 ft. lbs. starting in the center and then working outward. **DO NOT** install locks and clips at this time.
4. Install EGR hoses to headers if vehicle is equipped with them and block off the flanges that are not being used with the gaskets and hardware provided.
5. Install the engine oil dipstick on the passenger side.
6. Install spark plug wires.
7. Carefully lift vehicle and install the factory y-pipe using the original hardware for the flange just in front of the catalytic converter and the hardware provided for the collector flanges. Connect oxygen sensors and carefully lower vehicle.
8. Before starting your vehicle, make sure to check all wires and hoses for safe clearance from the Header.
9. Start vehicle and check for any leaks. If any leaks are found, determine cause (such as loose bolts or incorrectly positioned gasket) and repair as necessary.
10. Allow headers to reach normal operating temperature then shut off engine and allow them to cool. Once headers have cooled, torque header bolts once again to 23 to 33 ft. lbs and install locks and clips.

*Note: When you first start your vehicle after the installation of your new Borla Performance Stainless Steel Headers, there may be some smoke and fumes coming from the Headers. 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 Headers has reached normal operating temperatures. When operating temperature has been reached. Turn off the engine and allow headers to cool then re-torque bolts to the manufacture's specifications.*

**Congratulations!!!** You have completed the installation of the world famous Borla Performance Stainless Steel Headers.