



Thank you for purchasing a Borla Performance Stainless Steel Header.

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.

This Borla Performance Stainless Steel Header (Part number 17236) has been designed for the 1998-1999 Jeep Wrangler equipped with the 4.0L engine and 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...

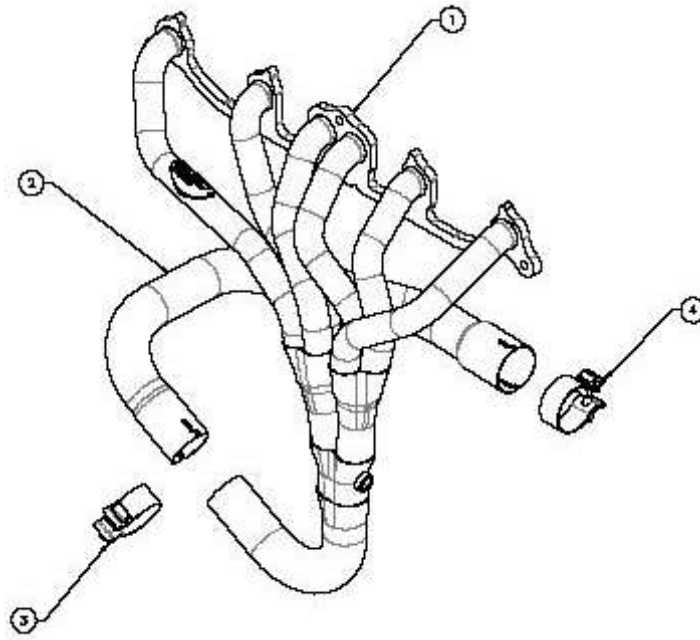
By installing your Borla Performance Stainless Steel Header, you indicate that you have read this document and you agree with the terms stated below.

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

Borla Performance Stainless Steel Header Bill of Materials



1. Header assembly
2. Intermediate pipe
3. 2.25" clamp
4. 2.50" clamp

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 Header.

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. Remove air filter assembly.
3. Disconnect all sensors and vacuum hoses from the intake manifold.
4. Disconnect all cables from the throttle body linkage shown in figure 1 and unbolt the cable bracket from the intake manifold and set aside out of the way.
5. Disconnect the electrical plugs from the fuel injectors and unbolt fuel line clamped on the side of the intake manifold.
6. Unbolt the fuel rail from the intake manifold and remove with the fuel injectors attached. Some fuel injector o-rings may remain in the ports. Make sure to remove them and install them back on to the fuel injectors. Cover fuel rail and injectors with a plastic bag as shown in figure 2, to prevent them from becoming contaminated.



Figure 1



Figure 2

7. Remove radiator coolant expansion tank and set aside.
8. Loosen the belt tensioner and remove serpentine belt.
9. Unbolt and remove power steering pump assembly from intake manifold and set aside.
10. Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift.

11. Unbolt the bottom flange of exhaust manifold connecting it to the crossover pipe.
12. Carefully lower the vehicle.
13. Remove exhaust/intake manifold bolts starting with the bottom. Some may be more accessible from under the vehicle.
14. Once all the bolts have been removed, lift the intake manifold shown in figure 3 and exhaust manifolds shown in figure 4 out of the vehicle and set aside.



Figure 3



Figure 4

You are now ready for the installation of your new Borla Performance Stainless Steel Header.

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. Place the Borla Performance™ Stainless Steel Header in position shown in figure 5 using the gasket supplied.
2. Place the intake manifold in position.
3. Install exhaust/intake manifold bolts. Tighten bolts starting in the center and then working outward. Some may be more accessible from under the vehicle.
4. Install power steering pump assembly back into position shown in figure 6 and tighten bolts.



Figure 5



Figure 6

5. Install serpentine belt and tighten belt tensioner.
6. Install radiator coolant expansion tank.
7. Making sure all the fuel injectors have o-rings, install fuel rail and injectors. Install bolts and tighten.
8. Connect the electrical plugs to each fuel injector and bolt fuel line back into place on the side of the intake manifold
9. Install cable bracket back on to the intake manifold. Connect all cables previously removed to the throttle body linkage
10. Connect all sensors and vacuum hoses.
11. Install air cleaner assembly.
12. Using the clamps included with your header, install the intermediate pipe connecting the header to the rest of the exhaust. Tighten the clams to 32-35 ft lbs.
13. Before starting your vehicle, make sure to check all wires and hoses for safe clearance from the Header.
14. Start vehicle and check for any fuel or exhaust leaks. If any leaks are found, shut the engine off and then determine cause. Repair as necessary.

Note: When you first start your vehicle after the installation of your new Borla Performance™ Stainless Steel Header, there may be some smoke and fumes coming from the Header. 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 Header has reached normal operating temperatures. Before driving vehicle, allow header to reach normal

operating temperature, when operating temperature has been reached. Turn off the engine and allow header 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 Header.