

## 2008 Lexus IS F Exhaust System Installation



**FOR RACING USE ONLY. NOT LEGAL FOR USE ON PUBLIC ROADS.**

Precision manufactured using high quality austenitic stainless steel; this system is designed to endure years of heavy use. Installing a Borla Performance Exhaust System on your vehicle will eliminate the restrictive design of the stock exhaust, allowing your engine to discharge exhaust gas easier. The result is more horsepower and torque, longer engine life, and a distinctive throaty growl- all this, with easy bolt-on installation. These installation instructions have been written to help you in the installation of your Borla Performance Exhaust System. Please read it completely before installing your system.

**Thank you for purchasing a Borla Performance Competition Exhaust System.**

**This Borla Performance Competition Exhaust System (Part number 12656) has been designed for the 2008 Lexus IS F equipped with a 5.0L V8 engine and an automatic transmission.**

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 Competition 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 Competition 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.

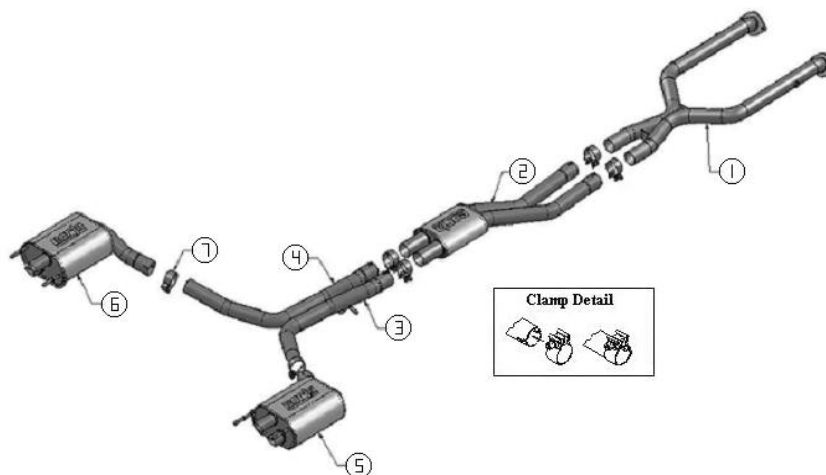
Included with your Borla Performance Exhaust System is a warranty card. Please read it carefully before you begin any work on your vehicle. If you should have any questions regarding our warranty policy, installation, or any other matter pertaining to your new Borla Performance Exhaust System, please 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 3"
- 3 15mm Socket
- 4 14mm Socket
- 5 10mm Socket
- 6 12mm Socket
- 7 Crosshead Screwdriver
- 8 7/8" O2 sensor socket
- 9 Pry Bar

**SHOP SUPPLIES:**

- 1 Spray Lubricant
- 2 Anti-seize compound

**Borla Performance Competition Exhaust System Bill of Materials**

1. X pipe assembly
2. Front muffler assembly
3. R/H intermediate pipe
4. L/H intermediate pipe
5. Right rear muffler assembly
6. Left rear muffler assembly
7. 2.50" clamp (qty 6)

**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 Competition 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 Competition Exhaust System.*

## Original Exhaust System 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. Unbolt the flange shown in figure 1 located in front of the rear mufflers.
2. Lubricate all the hangers and rubber isolators.
3. Using a muffler stand or an additional person to hold the rear portion of exhaust system up in place, remove the hangers from the rubber isolators and then remove the rear mufflers from the vehicle as shown in figure 2.
4. Remove the left hand rubber isolator shown in figure 1 from the vehicle.
5. Unbolt and remove the center support brackets as shown in figure 3. Place hardware to the side for use during the installation of your new exhaust system. Some plastic shields must be unbolted and pulled down to uncover the center support bolts.
6. Using a 7/8" oxygen sensor socket, unbolt and remove each oxygen sensor from the pipes located just after each catalytic converter.
7. Using a muffler stand or an additional person to hold the remaining exhaust system up in place, unbolt the flanges located just after each catalytic converter and remove the remaining exhaust from the vehicle. Place the hardware to the side for use during the installation of your new exhaust system.

**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**

## Borla Performance Competition Exhaust System Installation

1. Using the original hardware, place the X pipe assembly into position as shown in figure 4 . Hand tighten the hardware for now.
2. Apply anti seize to the oxygen sensor threads and install the oxygen sensors into the front pipes as shown in figure 5. Torque the oxygen sensor to 25-32 ft. lbs.
3. Place a clamp over each expanded end of the front muffler assembly and set it into position as shown in figure 6. Do Not tighten the clamps. Using the original hardware re install the center supports.
4. Place a clamp over the expanded ends of the left and right intermediate pipes and set them up into position as shown in figure 7 making sure to install all the hanger into the rubber isolator. Do Not tighten the clamps.
5. Place a clamp over the expanded ends of the right and left rear muffler assemblies and set them into position as shown in figure 8. Do Not tighten the clamps.
6. Check your exhaust system for proper clearance under the vehicle and also for tip alignment.
7. Once position has been determined to be correct, tighten the Accuseal™ clamps to 32-35 ft. lbs. and tighten the flange hardware to 18-22 ft. lbs.
8. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
9. Start vehicle and check for any leaks. If any leaks are found, determine cause (such as loose hardware or incorrectly positioned clamp) and repair as necessary.

*Note: When you first start your vehicle after the installation of your new Borla Performance Competition 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.*



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8