

## Installation Guide for BMW M8 Gran Coupe

PN: 140988CFBA



**\*\*\*\*\* Please compare the parts in the box with the bill of materials provided \*\*\*\*\*  
to ensure 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 exhaust 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](http://www.BORLA.com)

Thank you for purchasing a Borla Performance Cat-Back™ exhaust system.

Borla Performance Cat-Back™ exhaust system PN 140988CFBA is designed for the BMW M8 Gran Coupe, equipped with a 4.4L V8 twin-turbocharged engine and 2+4WD 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 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:**

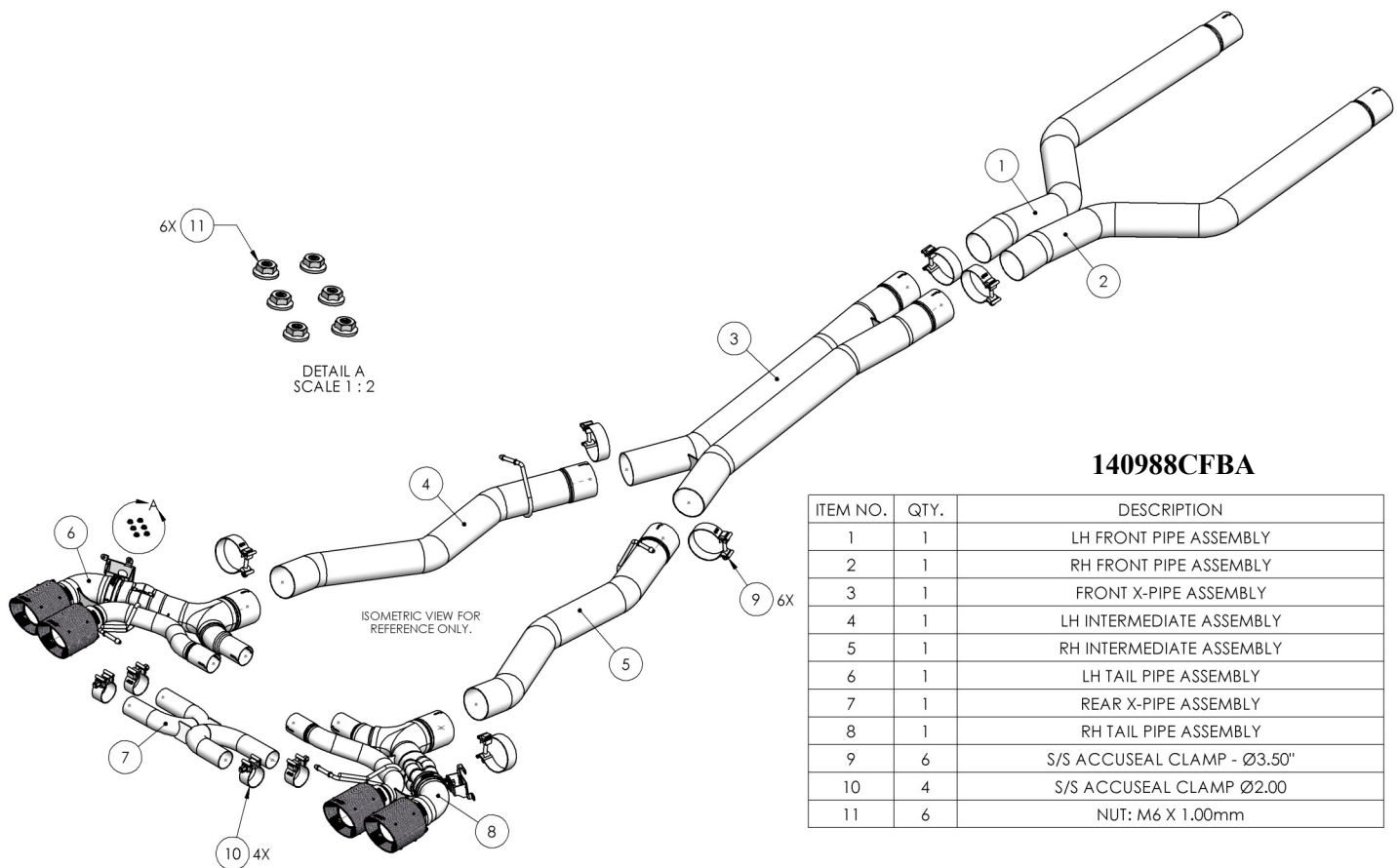
1. 3/8" drive ratchet
2. 3/8" drive extension 3"
3. 3/8" drive extension 3"
4. 15mm deep well socket
5. 16mm socket
6. 13mm socket

7. 10mm socket
8. 8mm socket
9. 1/2" thick piece of wood
10. Pry bar

**SHOP SUPPLIES:**

1. Spray lubricant

**Borla Performance - Bill of Materials**



**140988CFBA**

ITEM NO.	QTY.	DESCRIPTION
1	1	LH FRONT PIPE ASSEMBLY
2	1	RH FRONT PIPE ASSEMBLY
3	1	FRONT X-PIPE ASSEMBLY
4	1	LH INTERMEDIATE ASSEMBLY
5	1	RH INTERMEDIATE ASSEMBLY
6	1	LH TAIL PIPE ASSEMBLY
7	1	REAR X-PIPE ASSEMBLY
8	1	RH TAIL PIPE ASSEMBLY
9	6	S/S ACCUSEAL CLAMP - Ø3.50"
10	4	S/S ACCUSEAL CLAMP Ø2.00
11	6	NUT: M6 X 1.00mm

**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.

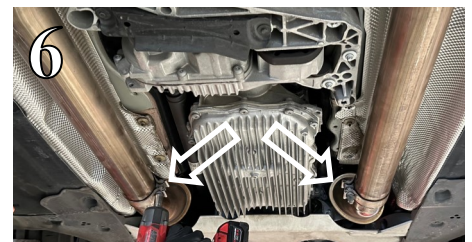
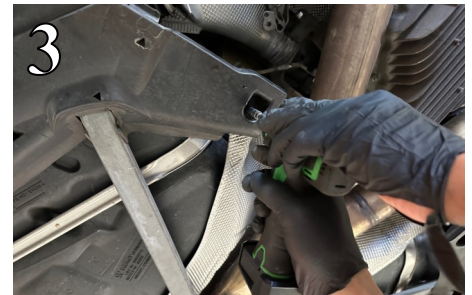
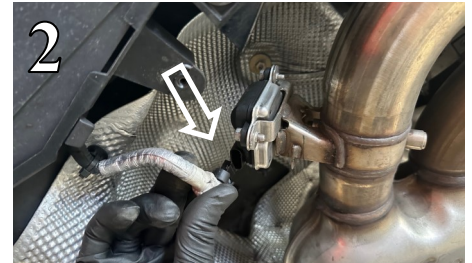
Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift. Once this has been done, you may begin the removal of your old exhaust system from your vehicle.

**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.

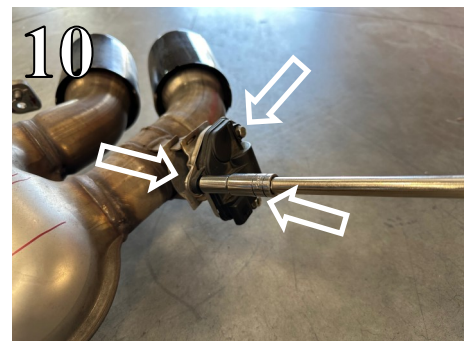
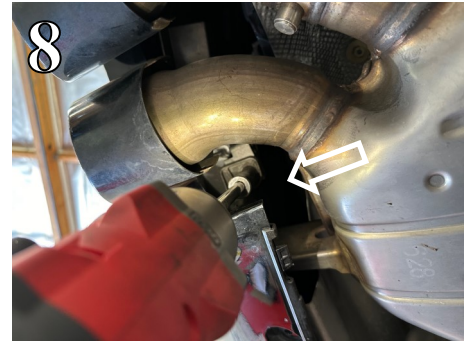
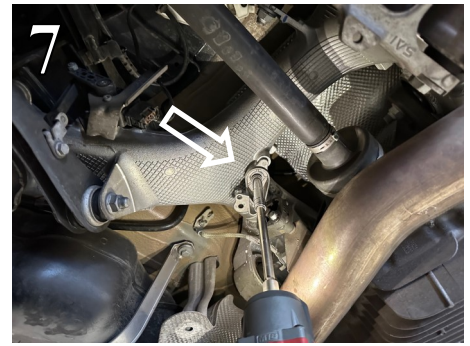
## Original Exhaust System Removal

1. Lubricate all hangers, rubber isolators, bolts and nuts.
2. Loosen and remove the hardware connecting the exhaust underbody cover to the vehicle and remove the cover from the vehicle (Fig. 1). Save this hardware for reinstallation of your original cover.
3. Remove the electrical connector from each of the valve actuators (Fig. 2).
4. Loosen and remove the hardware connecting the underbody covers that cover the chassis braces and remove the chassis braces (Figs. 3 –5). Save this hardware for reinstallation of your chassis braces.
5. Move toward the front of the vehicle and loosen the clamps that connect the exhaust system to the vehicle (Fig. 6).



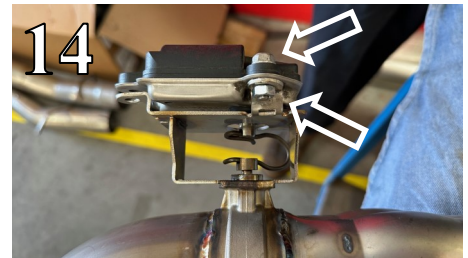
## Original Exhaust System Removal Cont'd

6. Loosen and remove the hardware attaching the intermediate pipe assembly isolators and the rear muffler assembly isolators to the vehicle (Figs. 7-8). Save this hardware for installation of your Borla system.
7. Remove the entire exhaust assembly by sliding it toward the rear of the vehicle out of the front inlets and then move the entire system down and out toward the rear of the vehicle (Fig. 9).
8. Loosen and remove the hardware connecting the valve actuators to the rear muffler assembly (Fig. 10). Save this hardware for installation of your Borla system.
9. Not shown: Remove the isolator assemblies from the intermediate pipes and rear muffler assemblies for installation onto your Borla system.

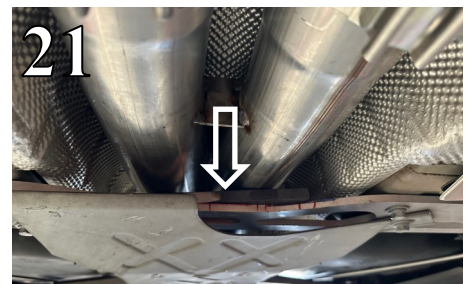
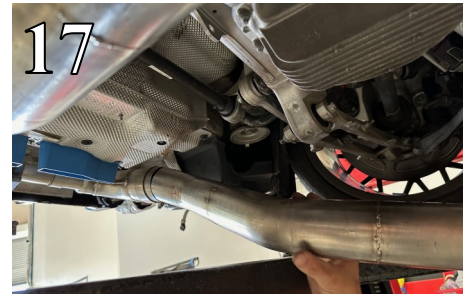


## Borla Performance Cat-Back™ Exhaust System Installation

1. Orient components on shop floor according to the Borla bill of materials drawing on page 2.
2. Place a clamp over the expanded end of the **L/H Front Pipe Assembly** and insert the inlet to the vehicle (Fig. 11). Do not tighten the clamp.
3. Repeat Step 2 for installation of the **R/H Front Pipe Assembly**.
4. Place a clamp over each of the expanded ends of the **Front X-Pipe Assembly** and insert the inlets to the **L/H & R/H Front Pipe Assemblies** (Fig. 12). Do not tighten the clamps.
5. Move toward the rear of the vehicle and remove the valve actuator electrical connector retainers off of the vehicle (Fig. 13).
6. Install the valve actuators onto the **L/H & R/H Tail Pipe Assemblies** using the original hardware as well as the provided **M6 Nuts** in the configuration as shown (Fig. 14). Ensure that the straight portion of the spring locks into the notches at the top portion of the Borla valve assembly.
7. While on the shop floor, place a clamp over each of the smaller expanded ends of the **L/H & R/H Tail Pipe Assemblies** and insert the inlets to the **Rear X-Pipe Assembly** (Fig. 15). Do not tighten the clamps.
8. Install the original isolator assemblies onto the corresponding hangers on the **L/H & R/H Tail Pipe Assemblies**. Lift the entire rear exhaust assembly up and onto the vehicle and attach the isolator assemblies to the vehicle using the original hardware (Figs. 15-16).



## Borla Performance Cat-Back™ Exhaust System Installation Cont'd



9. Place a clamp over the expanded end of the **L/H Tail Pipe Assembly** and insert the inlet to the **L/H Intermediate Assembly** (Fig. 17). Do not tighten the clamp.
10. Repeat Step 9 for installation of the **R/H Intermediate Assembly**.
11. Place a clamp over the expanded ends of both the **L/H & R/H Intermediate Assemblies** and insert the inlets to the **Front X-Pipe Assembly** (Fig. 18). Do not tighten the clamps.
12. Install the original isolator assemblies onto the corresponding hangers on the **L/H & R/H Intermediate Assemblies** and attach the isolator assemblies to the vehicle using the original hardware (Fig. 19).
13. Reinstall the original chassis bracing and underbody covers to the vehicle using the original hardware (Fig. 20).
14. Place a 1/2" thick piece of wood in-between the chassis brace and the inlet side of the **Front X-Pipe Assembly** to set adequate spacing (Fig. 21).
15. Once position has been determined to be correct, tighten the Accuseal clamps to 32-35 ft. lbs and remove the 1/2" thick piece of wood (Figs. 21-22).
16. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
17. Start the vehicle and check for any leaks. If any leaks are found, determine cause (such as loose or incorrectly positioned clamp) and repair as necessary.

**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.