

Installation for (F80/F82) BMW M3/M4 PN-140600, 140607, 140731



******* Please compare the parts in the box with the bill of materials provided *****
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 Exhaust System. Please read this document completely before beginning the installation of your system.

Thank you for purchasing a Borla Performance Exhaust System.

Borla Performance Cat-Back™ Exhaust Systems (PN-140600, 140607, 140731) are designed for the F80/F82 BMW M3/M4 equipped with a 3.0L Turbocharged 6-cylinder engine, RWD automatic or manual transmissions.

Borla Performance Industries recommends that an exhaust shop or professional after market parts installer perform the installation of this system. However, if you decide to perform the installation on your own it is recommended that two people are used. This installation should not be performed by one person due to the risk of injury. Ensure the installers use 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:

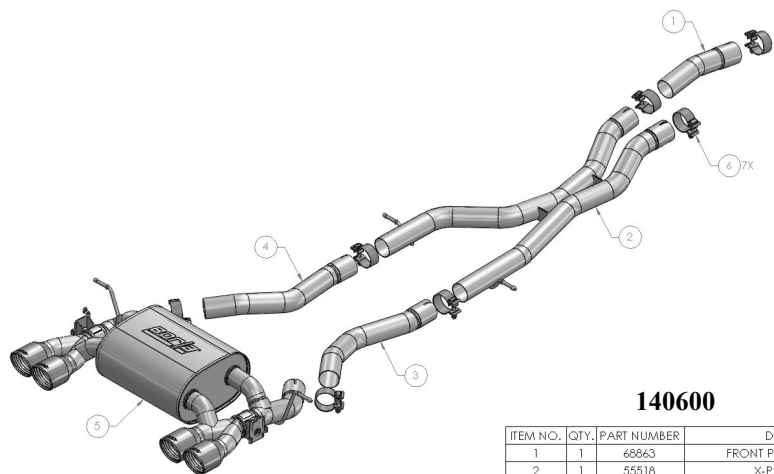
TOOLS:

1. 3/8" Drive Ratchet
2. 3/8" Drive Extension 3"
3. 13mm Socket
4. 14mm Socket
5. 15mm Deep Well Socket
6. Pry Bar

SHOP SUPPLIES:

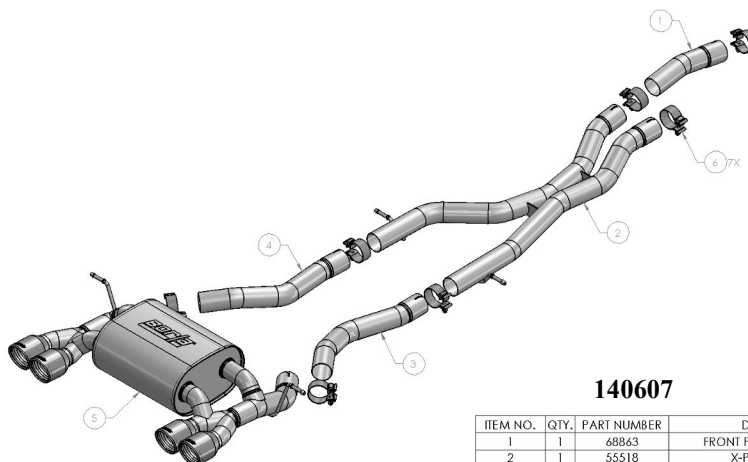
- 1 Spray Lubricant

Borla Performance - Bill of Materials



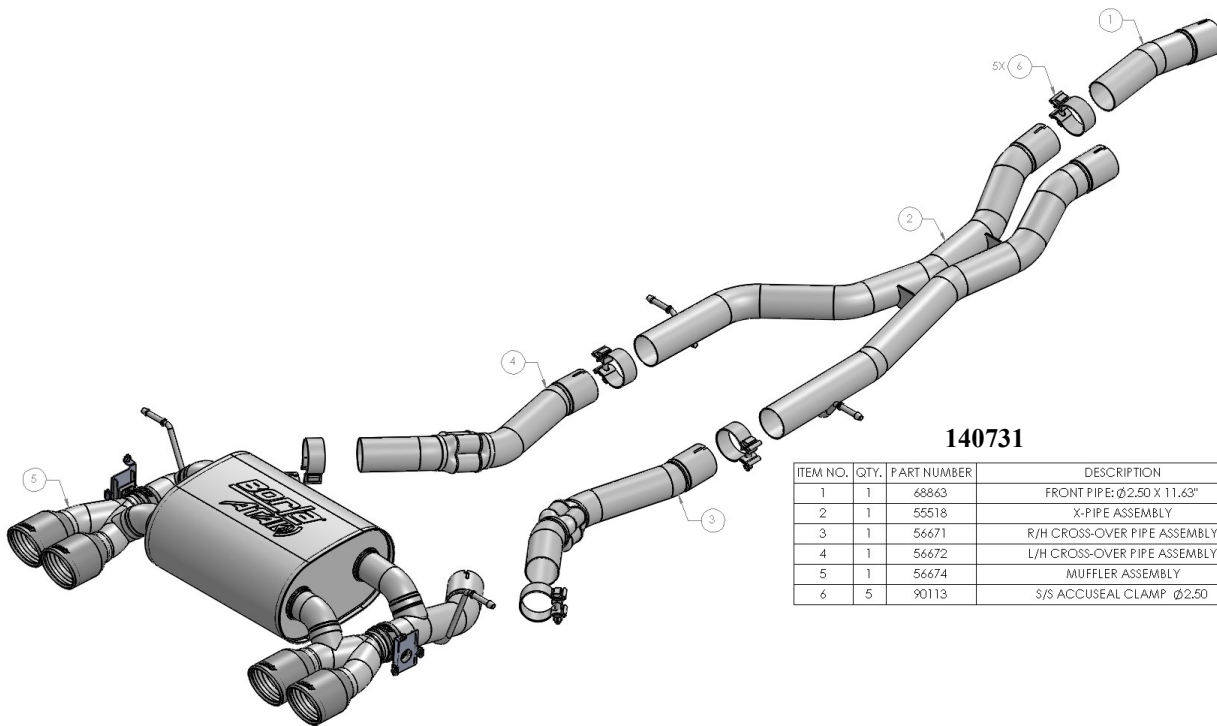
140600

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	68863	FRONT PIPE: Ø2.50 X 11.63"
2	1	55518	X-PIPE ASSEMBLY
3	1	68866	R/H CROSS-OVER PIPE: Ø2.50 X 22.78"
4	1	68867	L/H CROSS-OVER PIPE: Ø2.50 X 22.21"
5	1	55519	MUFFLER ASSEMBLY
6	7	90113	S/S ACCUSEAL CLAMP Ø2.50



140607

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	68863	FRONT PIPE: Ø2.50 X 11.63"
2	1	55518	X-PIPE ASSEMBLY
3	1	68866	R/H CROSS-OVER PIPE: Ø2.50 X 22.78"
4	1	68867	L/H CROSS-OVER PIPE: Ø2.50 X 22.21"
5	1	55537	MUFFLER ASSEMBLY
6	7	90113	S/S ACCUSEAL CLAMP Ø2.50



140731

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	68863	FRONT PIPE: Ø2.50 X 11.63"
2	1	55518	X-PIPE ASSEMBLY
3	1	56671	R/H CROSS-OVER PIPE ASSEMBLY
4	1	56672	L/H CROSS-OVER PIPE ASSEMBLY
5	1	56674	MUFFLER ASSEMBLY
6	5	90113	S/S ACCUSEAL CLAMP Ø2.50

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 the hangers and rubber isolators.
2. Remove OE brackets support brackets from vehicle. Remove front flange hardware. **Keep factory hardware for reinstallation.** (See Figs. 1 & 2)
3. Disconnect left and right electrical harness from rear mufflers. (See Fig. 3)
4. Support exhaust system with muffler stands. Carefully remove metal hangers from vehicle using socket wrenches. Remove exhaust system from vehicle. **Keep factory hardware for reinstallation.** (See Fig. 2)
5. Remove right-side electronic actuator from factory exhaust and transfer to your new Borla exhaust using factory hardware. (See Figs. 4A & 4B)
6. Repeat Step 5 for left-side actuator.
7. Remove right-side and left-side rubber isolator assembly from rear mufflers.

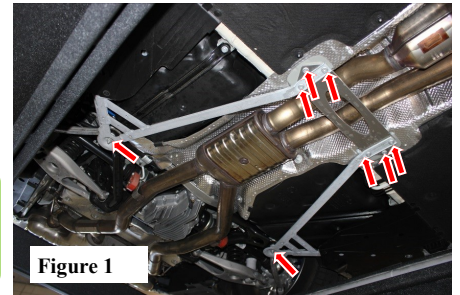


Figure 1

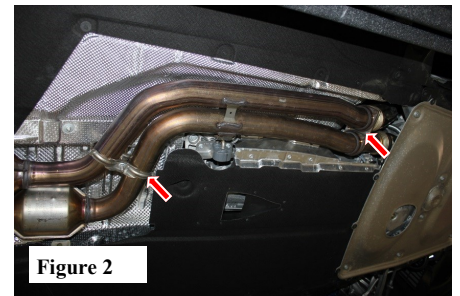


Figure 2

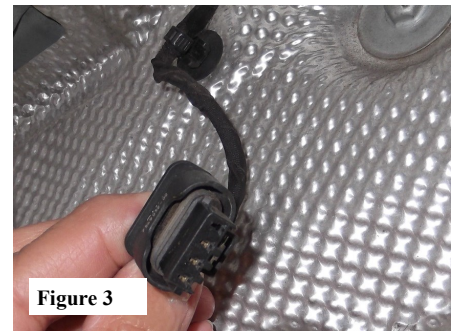


Figure 3

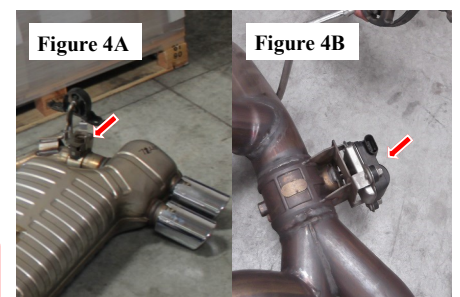


Figure 4A

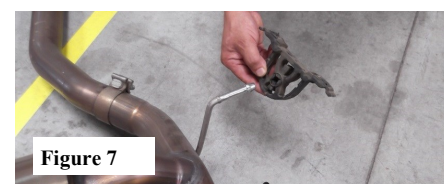
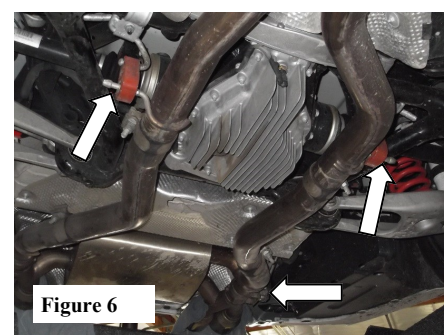
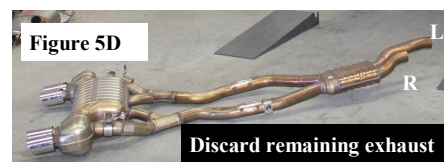
Figure 4B

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.

Borla Performance Exhaust System Installation

1. Refer to page 2 drawing for orientation of components.
2. Secondary catalytic converters need to be reused with your new Borla exhaust. Measure and mark a cutting line 5"-inches behind the catalytic converter closest to front flange (see Fig. 5A). Measure and mark a cutting line 8-inches behind the other catalytic converter (see Fig. 5B).
3. Using a metal cutting bladed saw, cut both pipes at the marked lines and de-burr the cut pipe. Install the flange back to vehicle using factory hardware (see Fig. 5C). Discard the remaining (remaining rear section) exhaust (see Fig. 5D).
4. Place a clamp on the expanded end of the **Front Pipe** and insert into left-side of newly cut pipe.
5. Place a clamp on each expanded end of the **X-Pipe Assembly** and insert the left-side into the **Front Pipe** and right-side newly cut section.
6. Place a clamp over the **L/H Cross-Over Pipe** and insert into the left-side **X-Pipe** inlet. Repeat step for **R/H Cross-Over Pipe**. Attach hangars to vehicle using factory hardware. (See Fig. 6)
7. Install hangars to **Muffler Assembly**. Place a clamp over each expanded end of the **Muffler Assembly** and insert them into both **Cross-Over Pipe** inlets. Attach hangars to vehicle using factory hardware. (See Fig. 7)
8. PN-140600 ONLY: Attach electrical harness to actuator.
9. Check your exhaust system for proper clearance under the vehicle and also for tip alignment. (See Fig. 8)
10. Once position has been determined to be correct, tighten the flange hardware to 18-22 ft. lbs. and the Accuseal clamps to 32-35 ft. lbs. making sure the clamp opening is not over any of the notches in the pipe.
11. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
12. 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.



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