

Installation Guide for Jeep Wrangler Rubicon 392

PNs 140892, 140892CB, 140893, 140893CB



******* 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.

To ensure this part number fits your specific model year, please visit our website for the latest model year listings at www.BORLA.com

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

Borla Performance Cat-Back™ exhaust systems PNs 140892, 140892CB, 140893, 140893CB are designed for the Jeep Wrangler Rubicon 392 equipped with a 6.4L V8 engine and 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:

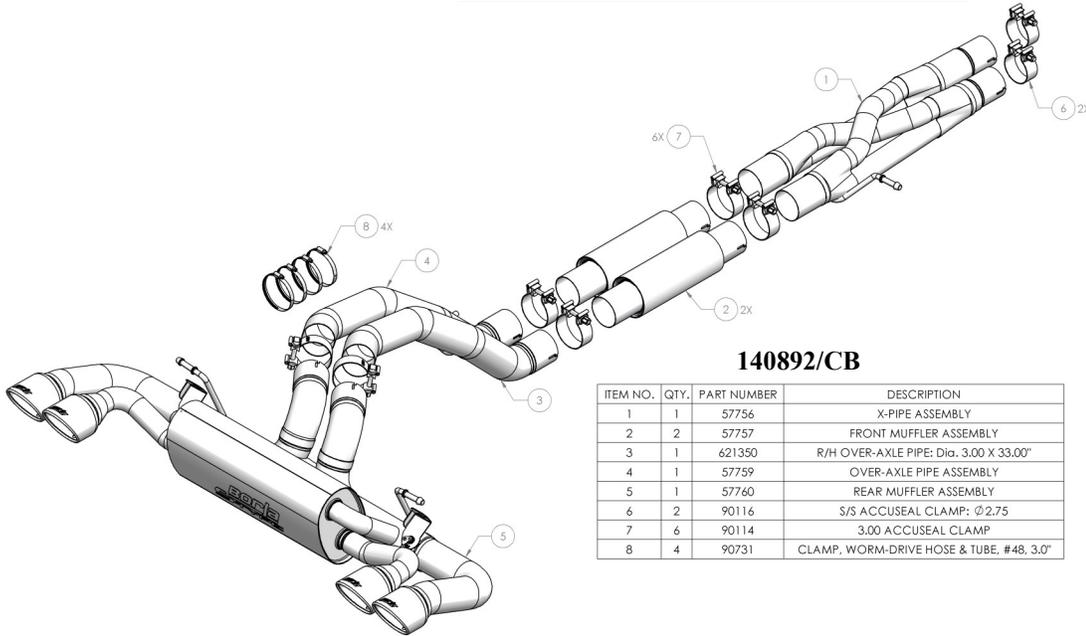
TOOLS:

1. 3/8” drive ratchet
2. 3/8” drive extension 6”
3. 15mm deep well socket
4. 10mm deep well socket
5. Pry bar
6. Pick
7. Needle nose pliers
8. Metal snips or cutoff wheel

SHOP SUPPLIES:

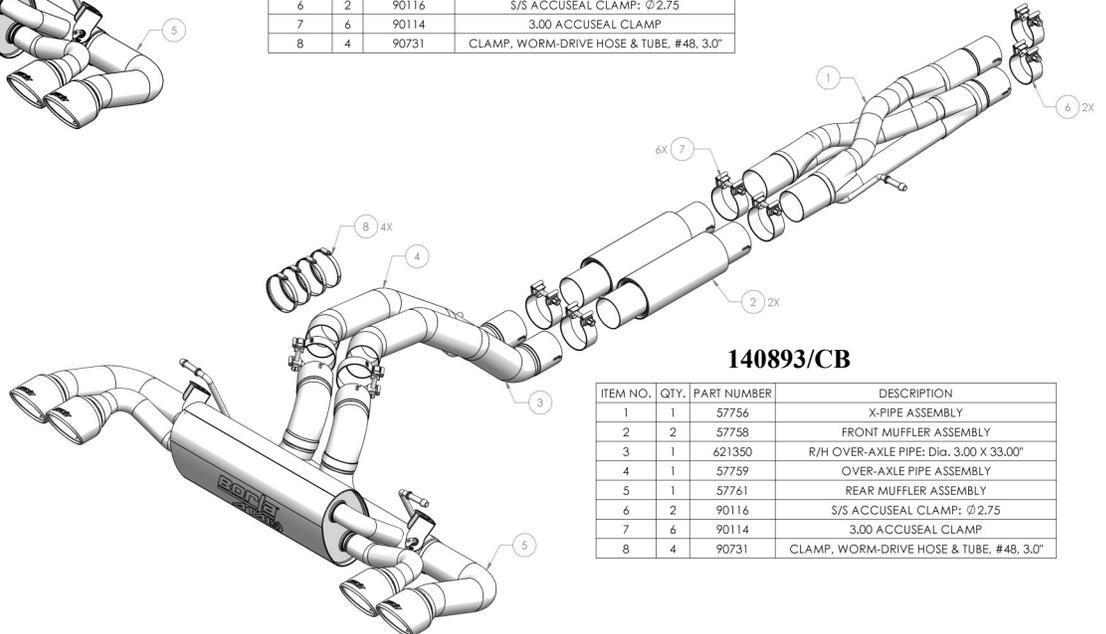
1. Spray lubricant

Borla Performance - Bill of Materials



140892/CB

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	57756	X-PIPE ASSEMBLY
2	2	57757	FRONT MUFFLER ASSEMBLY
3	1	621350	R/H OVER-AXLE PIPE: Dia. 3.00 X 33.00"
4	1	57759	OVER-AXLE PIPE ASSEMBLY
5	1	57760	REAR MUFFLER ASSEMBLY
6	2	90116	S/S ACCUSEAL CLAMP: Ø2.75
7	6	90114	3.00 ACCUSEAL CLAMP
8	4	90731	CLAMP, WORM-DRIVE HOSE & TUBE, #48, 3.0"



140893/CB

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2	2	57758	FRONT MUFFLER ASSEMBLY
3	1	621350	R/H OVER-AXLE PIPE: Dia. 3.00 X 33.00"
4	1	57759	OVER-AXLE PIPE ASSEMBLY
5	1	57761	REAR MUFFLER ASSEMBLY
6	2	90116	S/S ACCUSEAL CLAMP: Ø2.75
7	6	90114	3.00 ACCUSEAL CLAMP
8	4	90731	CLAMP, WORM-DRIVE HOSE & TUBE, #48, 3.0"

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.*

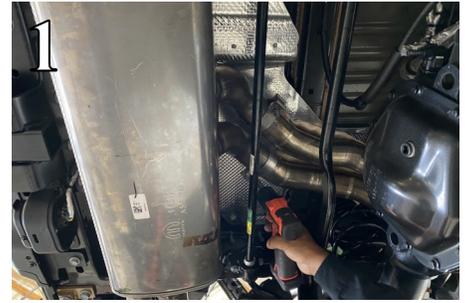
Taking all under car safety precautions, lift the vehicle using a hoist or hydraulic lift. Once this has been done, you may begin the removal of your old exhaust system from your vehicle.

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 the hardware on the clamps connecting the muffler assembly to the vehicle (Fig. 1).
3. Remove the vacuum line from the back of each actuator (Fig. 2).
4. Using a flathead screwdriver or a prybar, remove the muffler assembly hangers from their rubber isolators (Figs. 3-4).
5. Using a muffler stand or an additional person, carefully remove the muffler assembly (Fig. 5).
6. Remove the rubber isolators used on the muffler assembly from the vehicle to be reused on your Borla system.
7. Loosen the hardware on the clamps connecting the front pipe assembly to the vehicle (Fig. 6).



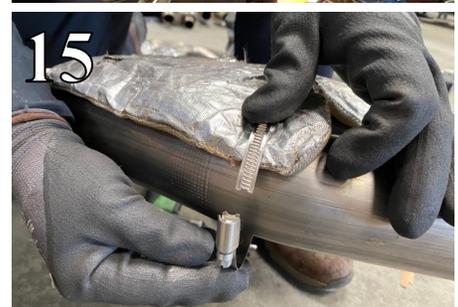
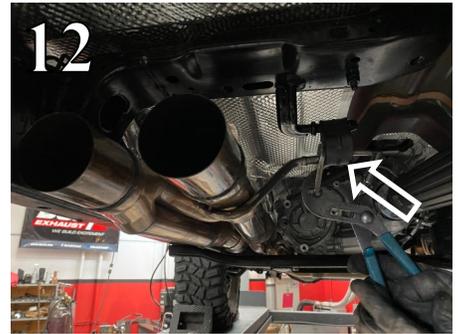
Original Exhaust System Removal Cont'd

8. Using a flathead screwdriver or a prybar, remove the front pipe assembly hangers from their rubber isolators (Figs. 7-8).
9. Using a muffler stand or an additional person, carefully remove the front pipe assembly by lowering the front and bringing it toward the front of the vehicle (Fig. 9).
10. Using a cutting wheel or metal snips, cut the metal ties to remove the heat-shield from the original exhaust (Fig. 10).
11. Remove the vacuum actuators by using a pick to remove the clip at the bottom of the shaft, and then remove the nuts attaching the actuator to the bracket. Remove the bushing to install on your Borla system (Fig. 11).
12. Original exhaust system removed.



Borla Performance Cat-Back™ Exhaust System Installation

1. Orient components on shop floor according to Borla bill of materials drawing on page 2.
2. Place clamps over the expanded ends of the **X-Pipe Assembly** and install onto the vehicle. Insert the hanger into the original rubber isolator (Fig. 12). Do not tighten the clamps.
3. Place a clamp over the expanded end of each **Front Muffler Assembly** and insert the inlet to the **X-Pipe Assembly** (Fig. 13). Do not tighten the clamps.
4. Place a clamp over the expanded end of the **Over-Axle Pipe Assembly** and insert the inlet to the **Front Muffler Assembly**. Insert the hanger into the original rubber isolator (Fig. 14). Do not tighten the clamp.
5. Place a clamp over the expanded end of the **R/H Over-Axle Pipe Assembly** and insert the inlet to the **Front Muffler Assembly** (Fig. 14). Do not tighten the clamp.
6. Reinstall the original heatshield onto the **Over-Axle Pipe Assembly** using the provided **Worm-Drive Clamps**. Fully open the clamps so that you can feed them through the channel on the original heatshield and reconnect them (Fig. 15).
7. Install original vacuum actuator onto Borla system by first installing the bushing onto valve arm. Then slide the actuator into place and secure it using the original hardware. Use pliers to install the clip into position (Fig. 16).

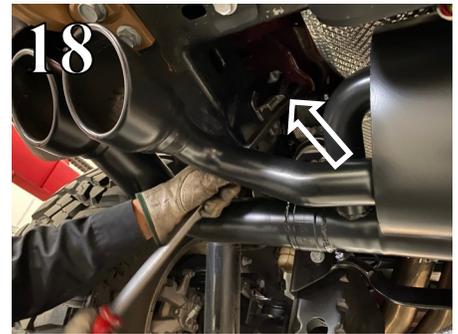


WARNING: Use extreme caution during installation. Torque all fasteners according to manufacturer's torque values and tightening sequence. **DO NOT** use air impact tools to tighten fasteners on Borla Performance Exhaust Systems. Use of such tools may result in bent flanges or gasket contact areas leading 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 Cat-Back™ Exhaust System Installation Cont'd

8. Install the original rubber isolators onto the **Rear Muffler Assembly** hangers. Place a clamp over each of the expanded ends of the **Rear Muffler Assembly** and insert the inlets to the **Over-Axle Pipe Assembly** (Figs. 17-19). Do not tighten the clamps.
9. Attach the vacuum lines to the actuators (Fig. 20).
10. Once position has been determined to be correct, tighten the Accuseal clamps to 32-35 ft. lbs.
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 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.



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