

Installation Guide for Ram 1500 V6 PNs 140852, 140852BC, 140860, 140860BC, 60716



******* 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 Exhaust System.

These Borla Performance Cat-Back™ Exhaust Systems (PNs 140852, 140852BC, 140860, 140860BC, 60716) are designed for the Ram 1500 equipped with a 3.6L V6 engine and 2WD or 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.

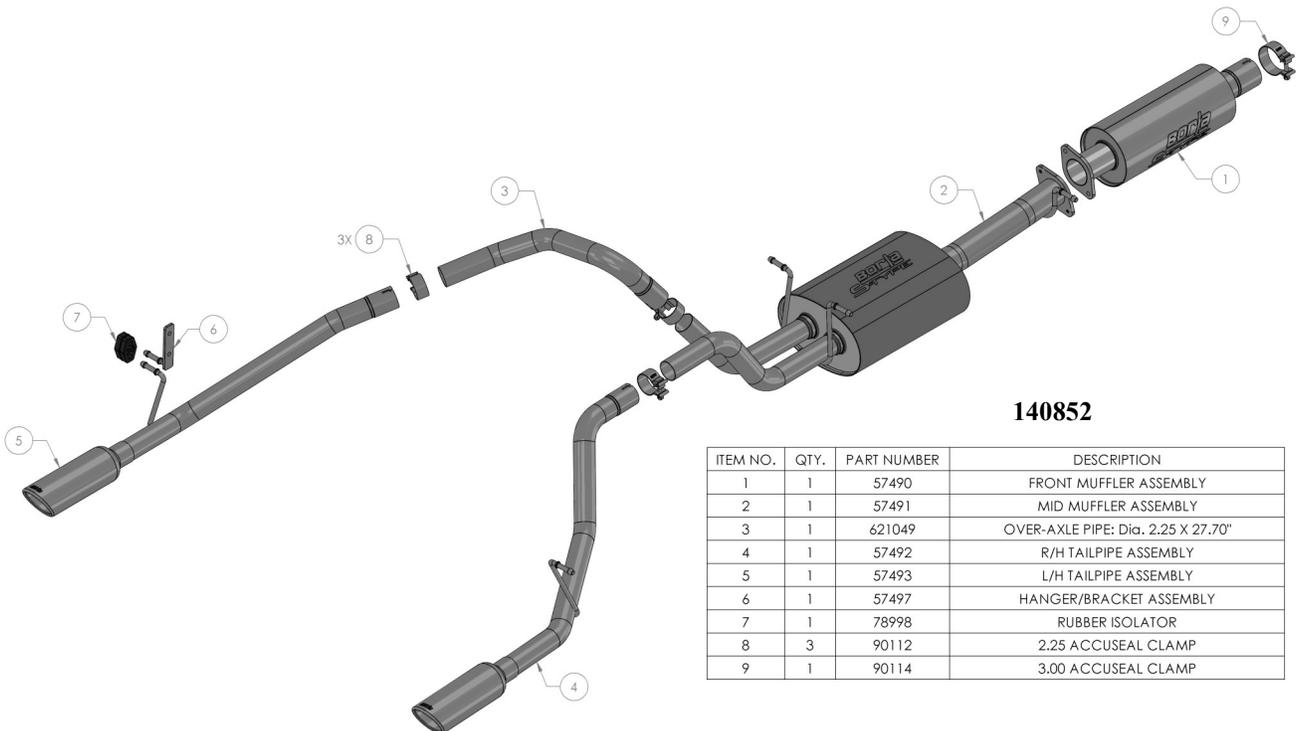
Minimum Required Tool List:

TOOLS:

1. 3/8" drive ratchet
2. 3/8" drive extension 3"
3. 15mm deep well socket
4. 13mm socket
5. 10mm socket
6. 7mm socket
7. Reciprocating saw with metal cutting blade
8. Pry bar

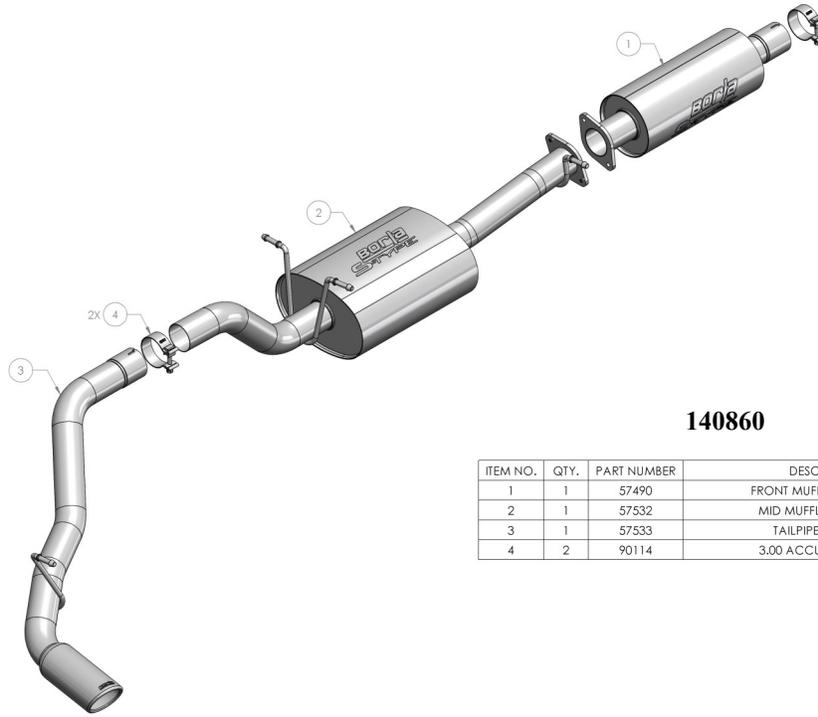
SHOP SUPPLIES:

1. Spray lubricant



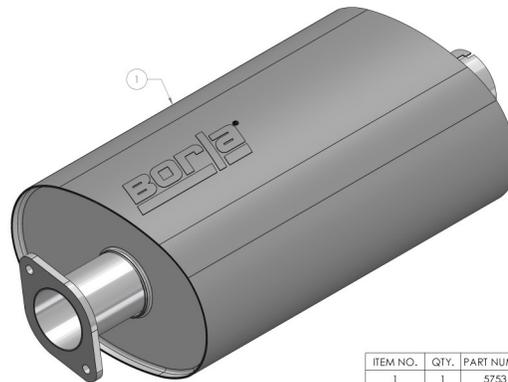
140852

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	57490	FRONT MUFFLER ASSEMBLY
2	1	57491	MID MUFFLER ASSEMBLY
3	1	621049	OVER-AXLE PIPE: Dia. 2.25 X 27.70"
4	1	57492	R/H TAILPIPE ASSEMBLY
5	1	57493	L/H TAILPIPE ASSEMBLY
6	1	57497	HANGER/BRACKET ASSEMBLY
7	1	78998	RUBBER ISOLATOR
8	3	90112	2.25 ACCUSEAL CLAMP
9	1	90114	3.00 ACCUSEAL CLAMP



140860

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	57490	FRONT MUFFLER ASSEMBLY
2	1	57532	MID MUFFLER ASSEMBLY
3	1	57533	TAILPIPE ASSEMBLY
4	2	90114	3.00 ACCUSEAL CLAMP



60716

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	57531	MUFFLER ASSEMBLY

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 rubber isolators, hangers, bolts, and nuts.
2. Loosen the nut on the clamp securing the tailpipe to the vehicle (Fig. 1).
3. Remove the tailpipe hanger from its rubber isolator (Fig. 2).
4. Carefully remove the original tailpipe from the vehicle (Fig. 3).
5. Loosen the hardware on the front flange of the original exhaust (Figs. 4-5).



Original Exhaust System Removal Cont'd



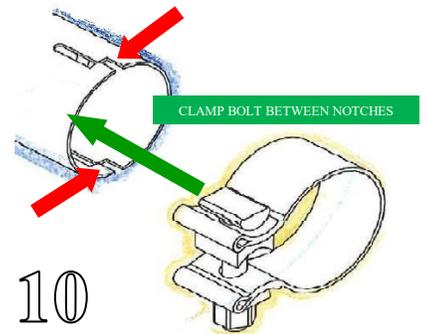
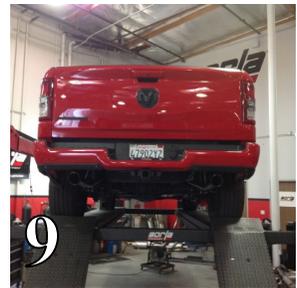
6. Remove the ground clip from muffler assembly hanger.
7. Carefully remove the muffler assembly from the vehicle (Fig. 6).
8. **Not pictured: make a cut in front of the front flange at 24" away from the flange (toward the front of the vehicle).**
9. Stock exhaust removed.

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

1. Place a clamp over the inlet of the **Front Muffler Assembly** and connect it to the vehicle (Fig. 7). Do not tighten the clamp yet.
2. Connect the inlet flange of the **Mid Muffler Assembly** using the original hardware (Fig. 8).
3. Insert the **Mid Muffler Assembly's** hangers into their rubber isolators.
4. **140852 only:** Install the L/H Tailpipe hanger hardware onto the L/H side of the vehicle's frame.
5. **140852 only:** Place a clamp over the inlet of the **L/H Tailpipe** and connect it to the **Mid Muffler Assembly**. Do not tighten the clamp yet.
6. **140852 only:** Hang the tailpipe using the provided rubber isolator and **Hanger Bracket**.
7. Place a clamp over the inlet of the **R/H Tailpipe Assembly** and connect it to the outlet of the **Mid Muffler Assembly**. Do not tighten the clamp yet.
8. Check your exhaust system for proper clearance under the vehicle and also for tip alignment and clearance (Fig. 9).
9. Starting at front flanges and moving to rear of vehicle, tighten flange hardware bolts. Orient position of bolt (on supplied clamps) between (not over) pipe notches and tighten to 35 ft. lbs. torque (Fig. 10).
10. Before starting your vehicle, make sure to check all wires, hoses, brake lines, body parts and tires for safe clearance from the exhaust system.
11. 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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