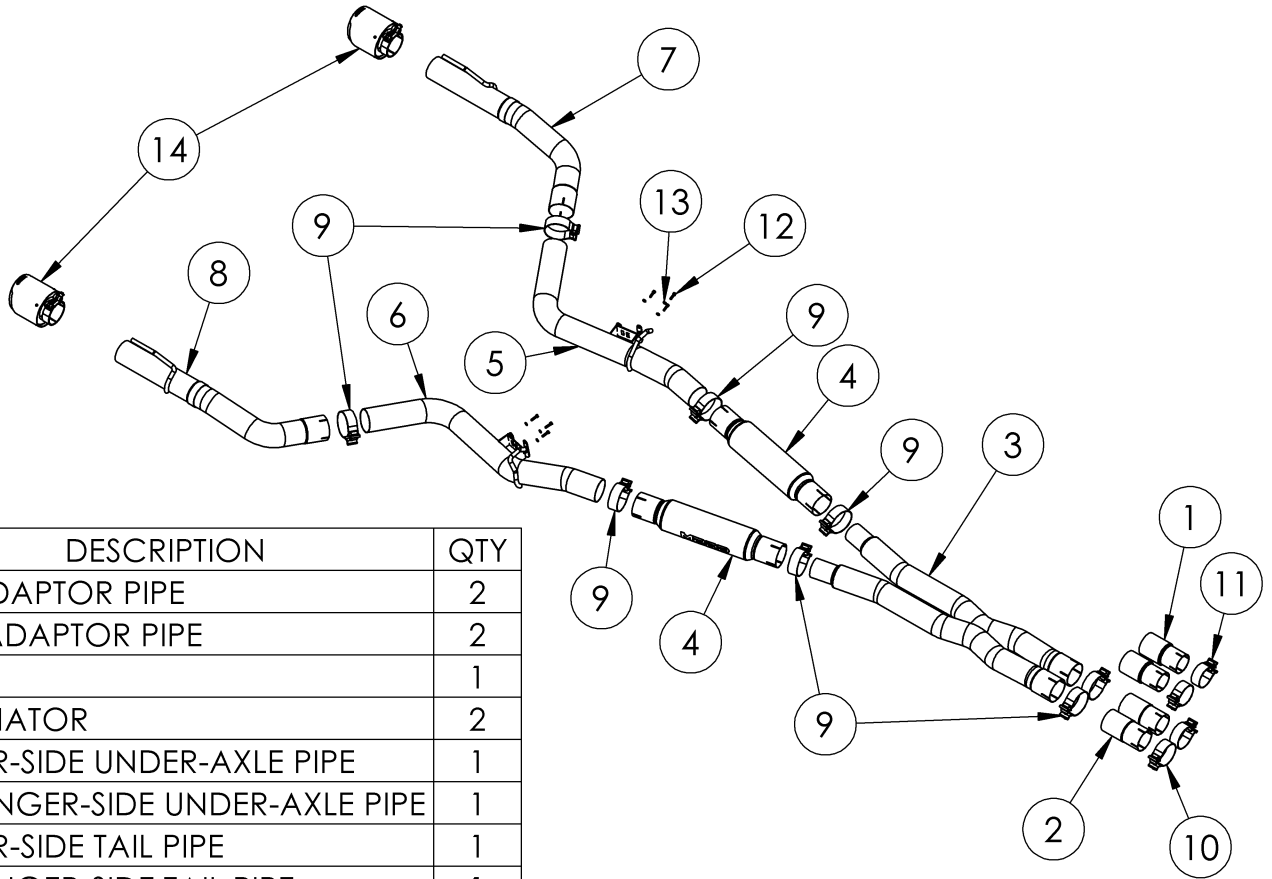


# S7117

2015-2023 DODGE CHARGER,  
5.7L (2017-2023 WITH ROUND TIPS), 6.2L, 6.4L,  
WITH ACTIVE EXHAUST VALVES, CAT-BACK,  
3.0" DUAL REAR, STREET PROFILE, DUAL TIPS

# MBRP®



ITEM	DESCRIPTION	QTY
1	2.5" ADAPTOR PIPE	2
2	2.75" ADAPTOR PIPE	2
3	X-PIPE	1
4	RESONATOR	2
5	DRIVER-SIDE UNDER-AXLE PIPE	1
6	PASSENGER-SIDE UNDER-AXLE PIPE	1
7	DRIVER-SIDE TAIL PIPE	1
8	PASSENGER-SIDE TAIL PIPE	1
9	3.0" CLAMP	8
10	2.75" CLAMP	2
11	2.5" CLAMP	2
12	M5X22 HEX BOLT	6
13	M5 FLAT WASHER	6
14	TIP	2

## PLEASE READ BEFORE STARTING INSTALLATION

While MBRP has made every effort to ensure that all components of this system are of superior quality and properly packaged, it is the installer's responsibility to ensure the following before removal of the factory exhaust:

- that ALL components shown above are present.
- that ALL mating components fit together.
- that there are no damaged components.
- that the system you have purchased is appropriate for your vehicle year, model and configuration.
- that the system will not interfere with any modifications previously installed or planned.
- that you have read and understand these instructions.

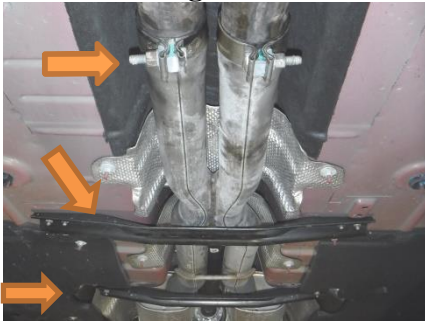
If you have any questions or are uncertain about any aspect of the installation of this system to your vehicle please contact your dealer before commencing installation.

# MBRP

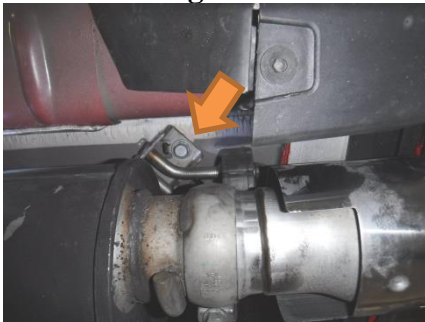
## Removal of Stock System



**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**



**Figure 5**

1. Apply penetrating lubricant liberally to all exhaust fasteners, hangers and rubber insulators.

2. Disconnect the exhaust valve actuator wiring. There are two actuators. **Refer to Figure 1.**

3. Loosen both front pipe clamps, and remove the two cross-braces below the exhaust. Keep the hardware for reinstallation. **Refer to Figure 2.**

4. Unbolt the rear hangers from the vehicle on both sides. Keep the hardware for the installation. **Refer to Figure 3.**

5. With the exhaust system supported, remove the remaining factory hangers from the factory insulators. Alternatively, the factory insulators may be unbolted, unclip the actuator wiring from the insulator bracket if doing so. **Refer to Figure 4.**

6. Carefully remove the exhaust from the vehicle, ideally you have two helpers, one at each tip as you disengage the front pipes from the catalytic converters and guide the exhaust out from under the vehicle.

7. Remove the factory exhaust valve actuators from the exhaust system to be installed on the new system. Make sure the passenger-side actuator is reinstalled on the passenger-side, and the driver-side on the driver-side. The nuts will be re-used for the installation.

## Installation of MBRP Performance Exhaust

1. Install the appropriate **Clamps** and **Adaptor Pipes** onto the catalytic converters. 5.7L cars use the 2.5" and the remainder use the 2.75" components. **Refer to Figure 5.**

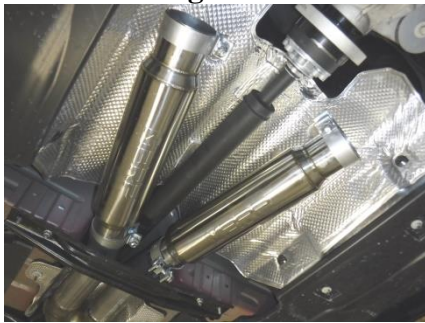
# MBRP



**Figure 6**

2. Using two **3.0" Clamps**, loosely install the **X-Pipe**. The more tightly bent inlet pipe is the driver-side. Reinstall the factory cross-braces in their original locations.

**Refer to Figure 6.**



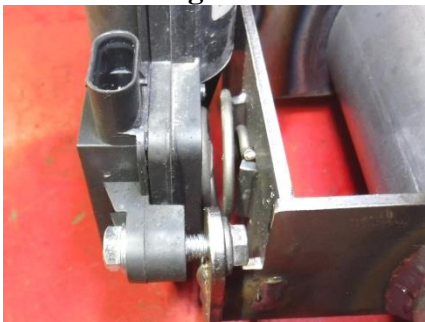
**Figure 7**

3. Using two **3.0" Clamps**, loosely install the **Resonators** onto the **X-Pipe**. **Refer to Figure 7.**

4. Place two **3" Clamps** on the **Resonator** outlets.

5. Install the exhaust valve actuators onto the **Under-Axle Pipes** using the supplied hardware and factory nuts. Make sure the passenger-side actuator is reinstalled on the passenger-side, and the driver-side on the driver-side. Ensure the drive spring on the actuator is lined up with valve simulator tabs and oriented as pictured.

**Refer to Figure 8.**



**Figure 8**

6. Loosely install the **Under-Axle Pipes** into the **Resonators** and into the factory isolators. Passenger-side shown.

**Refer to Figure 9.**

7. Transfer the factory rear hangers onto the **Tail Pipe** hangers. Passenger-side shown.

**Refer to Figure 10.**



**Figure 9**



**Figure 10**

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**Figure 11**

**8.** Using **3.0” Band Clamps**, loosely install the **Tail Pipes** onto the **Under-Axle Pipes** and re-attach the factory hangers to the vehicle using the factory hardware. Passenger-side shown.

**Refer to Figure 11.**

**9.** Loosely install the **Tips**.

**Refer to Figures 12 (Passenger-Side) and 13 (Driver-Side).**



**Figure 12**

**10.** Connect the exhaust valve actuator wiring.

**11.** Carefully align the system and tips. You may need to shift the **X-Pipe** forward or back to maximize clearances. Align the edge of each band clamp with the edge of the joint it is connecting. Tighten all hardware and clamps, starting at the front and working rearward to secure the system. Check along the full length of the exhaust system to ensure there is adequate clearance for fuel lines, vent lines, brake lines, frame, bodywork, suspension and any wiring, etc. If there is any interference detected, relocate or adjust to provide adequate clearance. Ensure all clamp connections are secure and components are unable to rotate or slide. Band clamps require approximately 45 lb-ft (60 N-m) of torque. Verify clearances, system security and band clamp torque after 30-60 miles (50-100 km) of driving.



**Figure 13**



**Congratulations!** You are ready to begin experiencing the improved power, sound and driving experience of your **MBRP** Performance Exhaust. We know you will enjoy your purchase!