



Installation Instructions for:  
**SYSTEM #817658**  
2015-2016 DODGE CHARGER R/T  
5.7L V8 ENGINE

**AMERICAN  
THUNDER**

**4095, Stainless Steel**

11/23/15

**Removal:**

1) Raise vehicle and support securely with stands. To ease the removal of the stock system, spray a penetrating lubricant onto the rubber isolators that support the system as well as the nuts at the two clamp connections behind the catalytic converters.



2) Using a 13mm socket, unbolt the two body braces in the center of the vehicle and set aside. The braces will be re-installed after completing step 2 of the installation instructions below.



3) Using a 13mm socket, unbolt the left tailpipe assembly at the flanged connection at the rear of the muffler. Slide the three hanger rods out of the rubber mounts on the vehicle and remove the left tailpipe assembly.



4) Support the rear of the system with a stand, then starting at the rear of the vehicle remove the three hangers on the right side of the system from the rubber mounts on the vehicle. Unclip the ground strap from the middle hanger on the right tailpipe and using a 15mm socket loosen the clamps at the slip fit connections behind the catalytic converters. Then with the help of an assistant, lower the stand and slide the system back off of the head pipes. Carefully lower from the vehicle.

**Installation:**

1) Before installing anything, prep the clamps supplied in the hardware kit by removing the nuts and applying a thick lubricant such as white grease or anti-seize to the threads.



2) Begin by placing a supplied 2 1/2" clamp onto each of the slip fits on Scavenger pipe **#86337S**. Place the Scavenger pipe onto the back of the stock head pipes (make sure the Flowmaster embossing is facing the ground). Level and center the assembly in the drive line tunnel and support with a stand. Tighten the two clamps enough to hold, but still allow for adjustment. Reinstall the two body braces onto the vehicle and tighten securely.



3) Place a supplied 2 1/2" clamp onto the inlet of each **#842546-Z** muffler. Then fully slide the mufflers onto the back of the Scavenger pipe assembly and support with stands. Level the mufflers and tighten the clamps enough to hold, but still allow for adjustment.



4) Place a supplied 2 1/2" clamp onto the left muffler outlet, then place the left tailpipe **#86340S** into position and starting from the rear, connect the hangers on the tailpipe to the rubber mounts on the vehicle. Slide the tailpipe into the muffler outlet. Adjust the tailpipe so that all hangers are level and tighten the clamp enough to hold, but still allow for adjustment. The tip at the back of the tailpipe should be centered in the exhaust bezel in the bumper of the vehicle. Repeat this step for right tailpipe **#86339S**. Replace the ground strap to the middle hanger of the right tailpipe.

5) Adjust the position of all the pipes and mufflers to provide a satisfactory fit. A **minimum of 1/2" clearance** around all parts of the system must be maintained while keeping suspension travel and vibration in mind. After adjustments have been made, you may now securely tighten all clamps.

6) After the system is secure, slide the 7/16" hanger keepers onto the ends of the three wire hangers on each tailpipe assembly. These will prevent the hangers from slipping out of the rubber mounts. For a more secure installation, we recommend welding all slip-fit connections.

### PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>	
2	Mufflers	842546-Z	
1	Scavenger Assembly	86337S	
1	Left Tailpipe Assembly	86340S	
1	Right Tailpipe Assembly	86339S	
1	Parts Kit	PK508	
6	2-1/2" Band Clamp		MC250BS
6	7/16" Hanger Keepers		HW502



Installation diagram for:  
**SYSTEM #817658**  
2015-2016 DODGE CHARGER R/T  
5.7L V8 ENGINE

**AMERICAN THUNDER**  
*409S, Stainless Steel*

