



409S, Stainless Steel

Installation Instructions for:
SYSTEM #817737
2015 DODGE CHALLENGER SXT
3.6L V6 ENGINE

12/12/14

Removal:

- 1) Raise vehicle and support securely with stands. To ease the removal of the stock system, spray a penetrating lubricant onto the rubber hangers.
- 2) Using a 13mm socket unbolt the left tailpipe assembly at the flanged connection at the rear of the center resonator. Slide the three hanger rods out of the rubber mounts on the vehicle and remove the left tailpipe assembly.
- 3) Support the right side muffler with a stand, then using a 15mm socket, loosen the clamps at the slip fit connections behind the catalytic converters. Unclip the ground strap from the middle hanger on the right tailpipe then remove the three remaining hanger rods from the rubber mounts on the vehicle 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 ¼" clamp onto each of the slip fits on Scavenger pipe **#86314S**. Then 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.
- 3) Place a supplied 2 ½" 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 ½" clamp onto the left muffler outlet, then place the left tailpipe **#15182S** into position and starting from the rear, connect the hangers on the tailpipe to the rubber mounts on the vehicle. Then 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 **#15183S**. 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 all three of the wire hangers on each tailpipe assembly. These will prevent the hangers from slipping out of the rubber mounts.
- 7) 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	86314S
1	Left Tailpipe Assembly	15182S
1	Right Tailpipe Assembly	15183S
1	Parts Kit	PK579
2	2-1/4" Band Clamp	MC225BS
4	2-1/2" Band Clamp	MC250BS
6	7/16" Hanger Keepers	HW502



Installation diagram for:
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AMERICAN THUNDER
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