FORCE II™

409S® Stainless Steel

SYSTEM #817461

2009-2010 DODGE CHALLENGER R/T

5.7L HEMI V-8

12/04/09

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) At the rear of each tailpipe, there is a clamp that secures the factory stainless tip to the mufflers. Use a 15mm wrench to loosen and remove the factory tip. After the tip has been removed you must also remove the clamp from the muffler. The clamp is tack welded in one place and must be wiggled loose. The tips and clamps will be reused with the Flowmaster system.

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 right side muffler with a stand, then using a 15mm socket, loosen the clamps at the slip fit connections behind the catalytic converters. Remove the three remaining hanger rods from the rubber mounts on the vehicle and slide the system back off of the head pipes.

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 clamp **#MC250BS** onto each of the slip fits of Scavenger pipe **#16590S.** 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 clamp onto the inlet of each muffler **#842546-Z.** 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 ring clamp onto the left muffler outlet, place the left tailpipe **#15142S** 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 clamp enough to hold but still allow for adjustment. Repeat this step for right tailpipe **#15141S.**

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) Re-attach the factory stainless tips to the back of each tailpipe using the clamps previously removed. Adjust the position of the tips and tighten the clamp securely.

7) After the system is secure, slide the 7/16" hanger keepers onto the ends of the hangers located at the rear of the vehicle. These will prevent the hangers from slipping out of the rubber mounts.

8) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help prevent surface rust.

PACKING LIST

Qty	Description	Part#
2	Mufflers	842546-Z
1	Scavenger Assembly	16590S
1	Left Tailpipe Assembly	15142S
1	Right Tailpipe Assembly	15141S
1	Parts Kit	PK508
6	2-1/2" Ring Clamp	MC250BS
6	7/16" Hanger Keepers	HW502

FLOWMASTER
THE EXHAUST TECHNOLOGY COMPANY
SANTA ROSA, CALIFORNIA - U.S.A.

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Installation diagram for:

SYSTEM #817461

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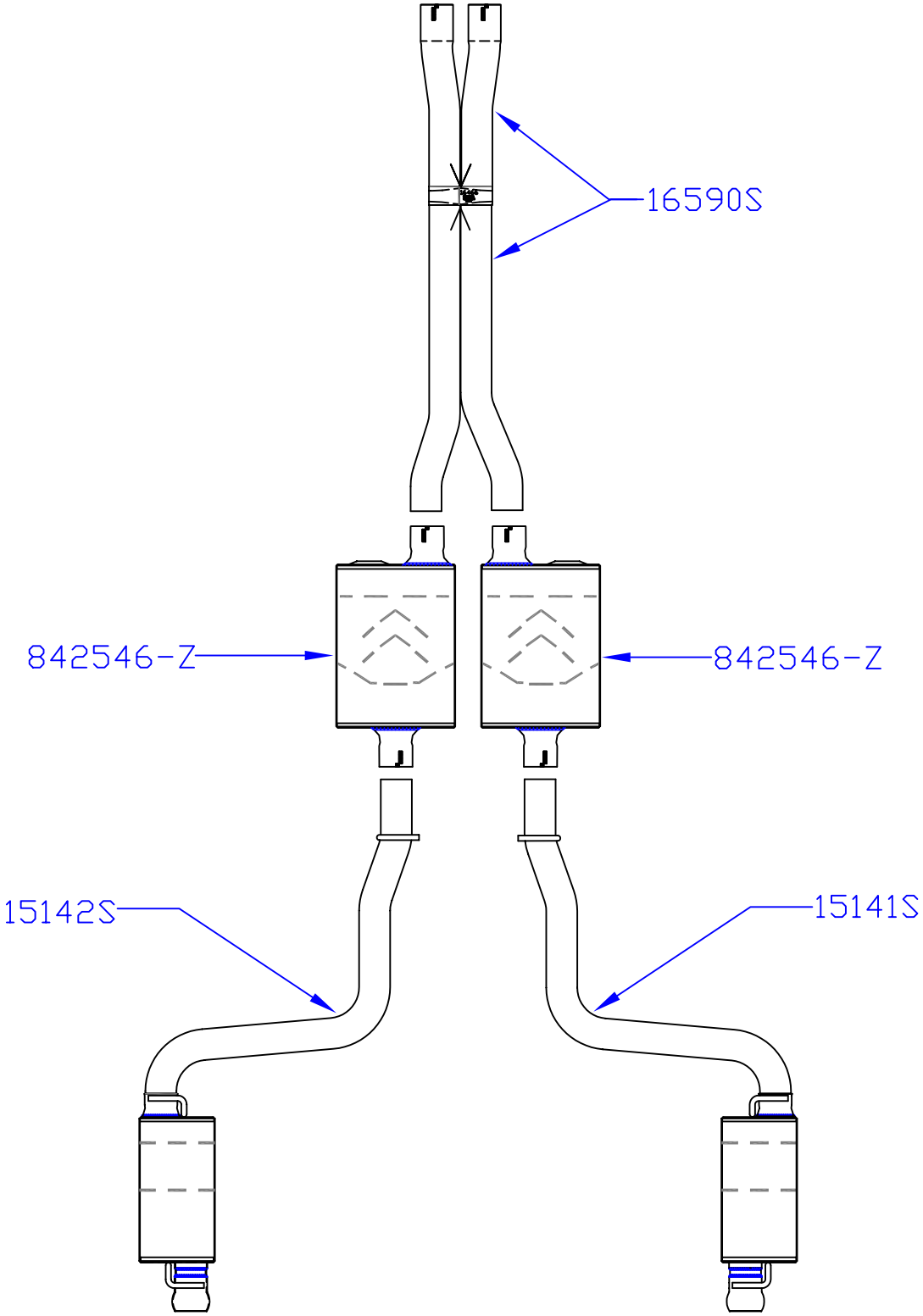
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