



**FORCE II™**  
**409S Stainless Steel**  
**SYSTEM #817459**  
**2009-2010 DODGE CHALLENGER**  
3.5L · V6 ENGINE

8/25/09

**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) Measure and cut the single factory pipe at a point 2" behind the weld at the back of the factory Y-pipe. Use a die grinder or file to de-burr after cutting.
- 3) Support the rear muffler with a stand, then separate the four hanger rods from their rubber mounts on the vehicle. Carefully lower and remove the system from under the vehicle.

**Installation:**

- 1) Because there is no cutout in the rear valance for the left side tailpipe, it will be necessary to make a new cutout. Follow the instructions on the attached template to properly align and make the cutout.
- 2) Before installing anything, prep the clamps supplied in the hardware kit by applying a thick lubricant such as white grease or anti-seize to the threads.
- 3) Begin by placing a clamp onto the new inlet pipe **#16618S**. Now place the inlet pipe onto the back of the factory Y-pipe. The rear of the inlet pipe should be positioned so that it is offset to the drivers side.
- 4) Place another clamp onto the inlet of the muffler **#8525561-Z**. Then slide the muffler onto the back of the inlet pipe. Level the muffler and tighten the clamps enough to hold but still allow for adjustment.
- 5) Install the two new left side tailpipe hanger brackets **#371HA** using the factory mounting holes. Look at the right side factory brackets to determine the proper holes and orientation.
- 6) Place clamps onto the muffler outlets, then place left tailpipe **#15144S** into position and slide the hangers into the factory rubber mounts. Slide tailpipe into the muffler outlet. Rotate so hangers are level and tighten clamp enough to hold but still allow for adjustment. Repeat this step for right tailpipe **#15143S**.
- 7) Take the stainless tips **#ST339** and slide them onto the outlets of the resonators that are part of the tailpipes.

8) 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 all adjustments have been made, you may now securely tighten all clamps.

9) After the system is secure, slide the 7/16" hanger keepers onto the ends of the hanger rods to prevent them from slipping out of the rubber mounts.

## PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
1	Muffler	8525561-Z
1	Inlet Pipe	16618S
1	Left Tailpipe	15144S
1	Right Tailpipe	15143S
2	Stainless Tips	ST339
1	Hardware Kit	PK493
2	Hanger Brackets	371HA
4	2 1/2" Band Clamp	MC250BS
2	Rubber Hangers	HA168
2	M8 x 1.25 Hex Bolts	HW228
2	5/16" Flat Washers	HW302
2	5/16" Split Lock Washers	HW308
6	7/16" Hanger Keepers	HW502



## 817459 V6 CHALLENGER BUMPER CUT-OUT TEMPLATE

- 1) Use scissors to cut out this template along the line.
- 2) Measure over 30-3/8" from the bolt sticking through the floor on the right side (see photo).
- 3) Align the right edge of this template with your mark, and tape in place. Before proceeding make some measurement checks to confirm that the cut out is positioned evenly to the other side.
- 4) Use a paint pen or silver marker to mark the contour onto the valence. Remove template after marking.
- 5) Use a jigsaw, sawsall or die grinder to carefully cut along the contour. Use a file to clean up the edges after cutting.



Align mark  
with this edge



INTERNAL REF 9.00"





Installation diagram for:  
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