



Installation Instructions for:  
**SYSTEM #817627**  
2011-2013 DODGE AVENGER  
3.6L ENGINE

# FORCE II™

## 409S Stainless Steel

03/29/13

1) Raise the vehicle up on a hoist or rack to working height. Spray a penetrating lubricant onto the two front flange bolts as well as the rubber hanger mounts that support the system. This will greatly ease removal of the factory system.



2) Begin removing the factory exhaust system by first supporting the large muffler at the rear of the vehicle with a stand, then loosen the clamped connection just forward of the resonator unit in the center of the vehicle. Beginning at the rear of the vehicle, remove the 5 hangers that support the exhaust system from the rubber mounts on the vehicle. Then with the help of an assistant, lower the stand and slide the system rearward to disengage the front slip connection. Lower the system from the vehicle.



3) Place a supplied 2.50" clamp onto the expanded end of inlet pipe **#86014S** and slide onto the factory front pipe. Connect the hanger on the pipe to the rubber mount on the vehicle and tighten the clamp enough to hold but still allow for adjustment.



4) Place a supplied 2.50" clamp onto the inlet of muffler **12514310-Z** and fully seat onto the back of inlet pipe **#86014S**. Support the muffler with a stand and tighten the clamp enough to hold but still allow for adjustment.



5) Place a supplied 2.50" clamp onto the muffler outlet, then place mid pipe **#86015S** into the muffler outlet and rotate into position. Support the back of the pipe with a stand and tighten the clamp enough to hold but still allow for adjustment.



6) Place a supplied 2.50" clamp onto the inlet of Y-pipe assembly **#86016S**, place onto the back of the mid pipe and seat the two pipes fully together. Connect the two hangers on the y-pipe to the rubber mounts on the vehicle and tighten the clamp enough to hold, but still allow for adjustment.



7) On the right side of the vehicle, place a supplied 2.25" onto the expanded end of exit pipe **#86019S** and slide onto the right outlet of the Y-pipe. Connect the hanger on the pipe to the rubber mount on the vehicle and tighten the clamp enough to hold, but still allow for adjustment.



8) On the left side of the vehicle, place a supplied 2.25" onto the expanded end of exit pipe **#86018S** and slide onto the left outlet of the Y-pipe. Connect the hanger on the pipe to the rubber mount on the vehicle and tighten the clamp enough to hold, but still allow for adjustment.



9) Place the two **#ST402** stainless tips onto the end of the exit pipes and adjust to the desired position. Tighten the clamp on the tips enough to hold, but still allow for adjustment.

10) Adjust the position of all pipes and mufflers to provide a satisfactory fit. This is a tight fitting system, so take your time and be patient, tightening and adjusting a little bit at a time. Be sure to maintain an adequate clearance around all parts of the system to avoid rattles or damage to heat sensitive components. Once you're happy with the fit, tighten all connections down securely. For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections.

### PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>	
1	Inlet Pipe	86014S	
1	Muffler	12514310-Z	
1	Mid Pipe	86015S	
1	Y-Pipe Assy.	86016S	
1	Left Exit Pipe	86018S	
1	Right Exit Pipe	86019S	
2	Stainless Tip	ST402	
1	Parts Kit	PK711	
	2	2 1/4" Band Clamp	MC225BS
	4	2 1/2" Band Clamp	MC250BS
	5	1/2" Hanger Keepers	HW503



Installation diagram for:  
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