



OUTLAW S E R I E S 409S, Stainless Steel

Installation Instructions for: **SYSTEM #817779** 2017-2019 DODGE CHARGER R/T

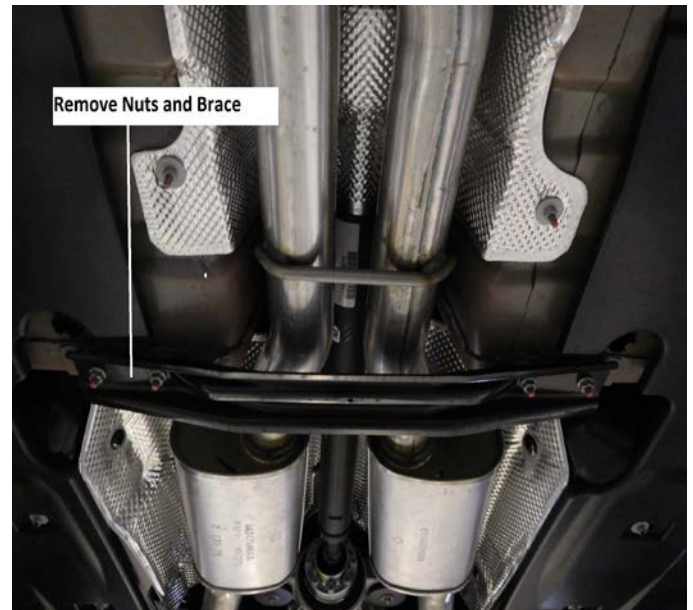
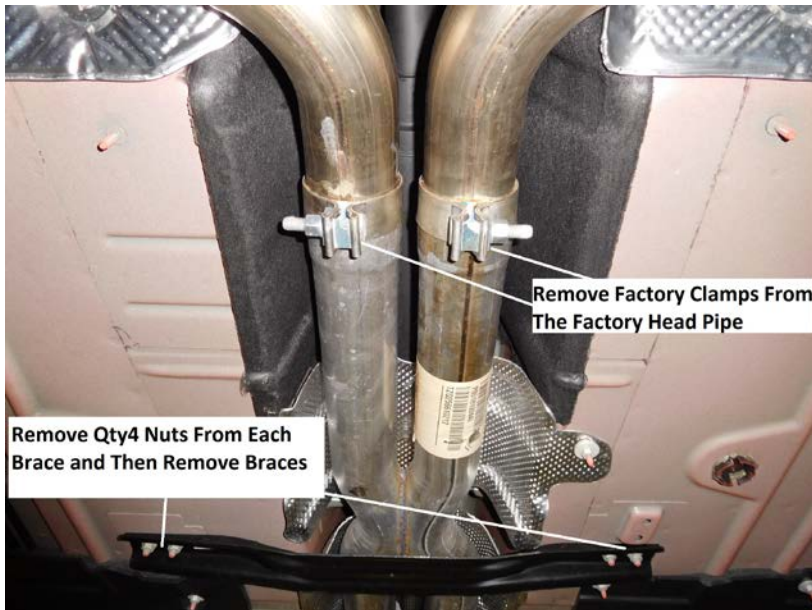
5.7L · V8 HEMI ENGINE

This kit only fits vehicles with integrated rear exhaust bezels; it does not fit vehicles with traditional bumper/tip cutouts

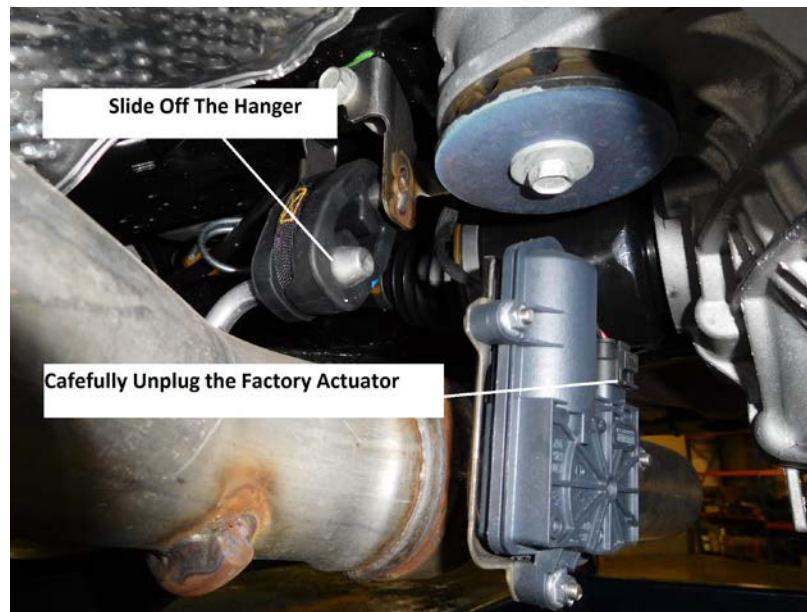
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Removal:

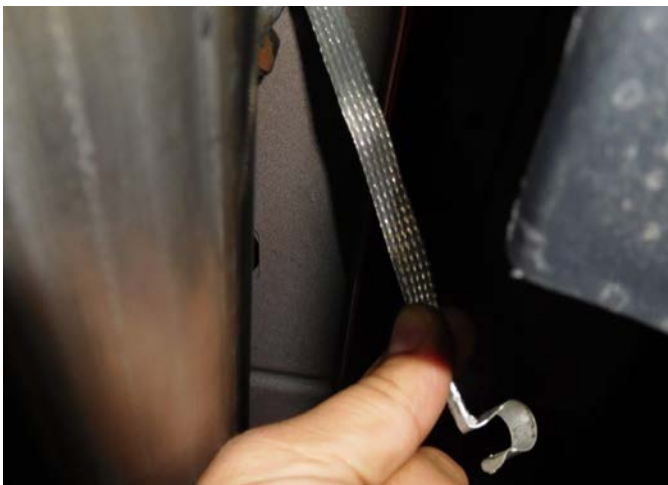
- 1) Raise the vehicle and support securely with stands. To ease the removal of the stock system, spray a penetrating lubricant onto the rubber hangers as well as the two clamped connections at the center of the vehicle.
- 2) Using a 15mm socket, loosen the clamps at the slip fit connections behind the catalytic converters. Also, using a 13mm socket, remove the bolts attaching the two floor braces in the center of the vehicle.



3) Place a stand under the rear of each tailpipe to support the rear of the system. Just forward of the rear differential, you will find two exhaust valve actuators, one mounted to the side of each tailpipe. Carefully unplug the wire from the actuator and tuck away for reconnection later.



4) Slide the two hangers on each tailpipe out of the rubber mounts on the vehicle and unclip the grounding strap from the rear hanger on the right side of the vehicle. The stock system will come out as one large unit. Carefully lower the stands at the rear of the vehicle and with the help of an assistant slide the system back off of the head pipes and lower the system from the vehicle.



5) Once the factory system is out of the vehicle, use a 5/16" wrench to remove the three nuts securing the actuator to the mounts on the tailpipes. Remove the actuator and spring from the mount on each tailpipe.

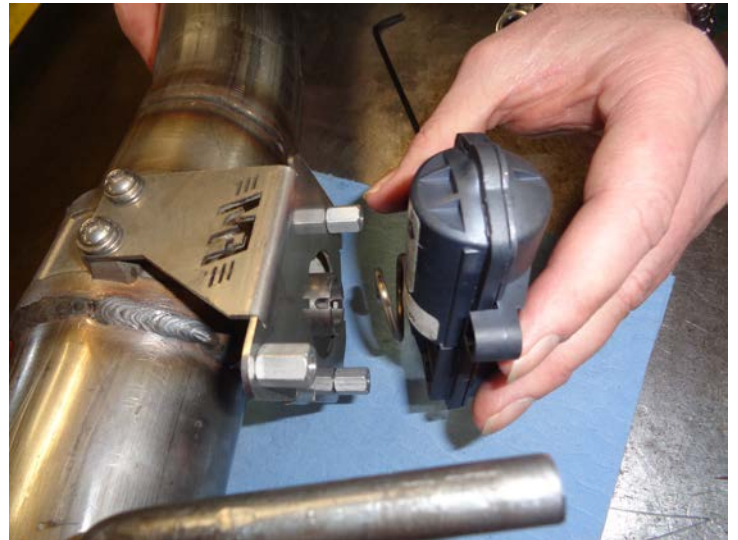
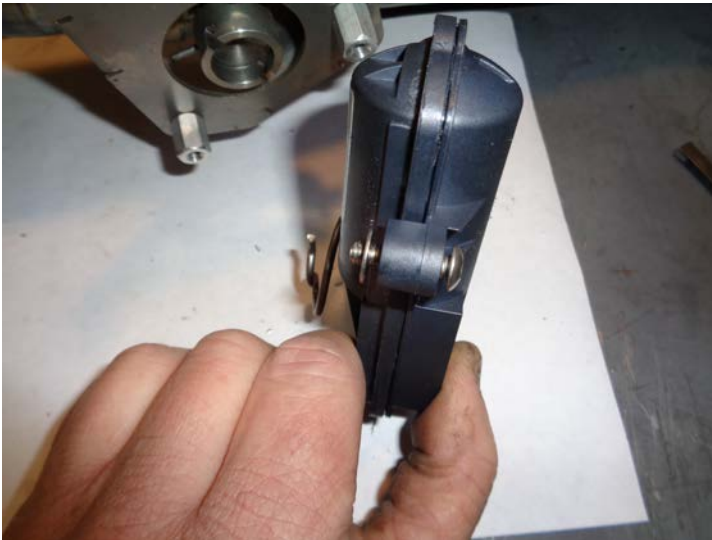


Installation:

1) Take one of the new Flowmaster tailpipe assemblies and place it right-side up on a flat surface, place something under the tip if needed to protect from scratches. Begin by placing one of the #10-32 x 1/4" Button Head Screws included in the parts kit through the top hole of the exhaust valve mounting bracket. Then thread on one of the #10-32 x 1/2" hex standoff spacers onto the screw, we recommend you use thread lock. Tighten down with a wrench and Allen key. Repeat this step with the other two holes on this mount as well as the three holes of the mount on the other tailpipe. Tighten all screws securely. See photos below.



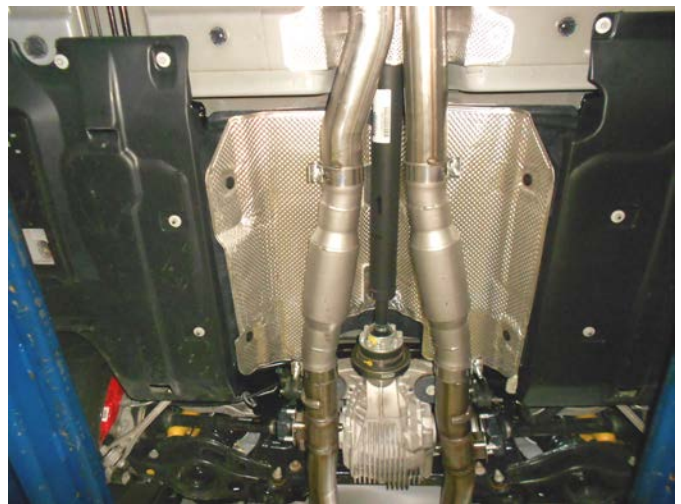
2) Place the included #10-32 x 3/4" Button Head Screw into the bottom hole of the actuator assembly followed by one #10 flat washer. Then place the actuator up to the mount on the tailpipe, the center arm of the actuator spring must be between the tabs on the mount. Rotate the assembly so that the actuator motor is vertical and until the spacers line up with the holes in the actuator. Thread the bolt on the actuator into the spacer on the tailpipe mount, leave this bolt loose and repeat this step on the other two holes of the actuator.



3) Begin the installation by placing a supplied 2-1/2" clamp onto each of the inlets of the Scavenger pipe #**26648S**. Then place the Scavenger pipe onto the back of the stock head pipes (the offset outlet pipe should be oriented to the passenger side). Level and center the assembly in the drive line tunnel and support with a stand. Scavenger pipe should slide over factory head pipe about 2 inches. Tighten the two clamps enough to hold, but still allow for adjustment. Also re-install the floor braces back into place to support the Scavenger pipe in place.



4) Place a supplied 3" clamp onto the inlet neck of both mufflers. Slide the mufflers onto the back of the Scavenger pipe assembly about 1-3/4" and support with stands. Level the mufflers and tighten the clamps enough to hold, but still allow for adjustment.



5) Place a supplied clamp onto the left muffler outlet. Place the left tailpipe # **26654S** into position and starting from the rear, connect the hangers on the tailpipe to the rubber mounts on the vehicle. Slide the tailpipe fully into the muffler outlet and adjust the tailpipe so that the end of the pipe is centered in the factory exhaust bezel. See photo below. Tighten clamp enough to hold, but still allow for adjustment. Repeat this step for right tailpipe # **26652S**.



6) Reconnect the two electrical plugs removed in step 3 of the removal instructions back onto the tailpipe actuators.



7) Adjust the position of the Scavenger pipe, mufflers and tailpipes 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.

8) After the system is secure, slide the 7/16" hanger keepers onto the ends of the hangers located at the front of each tailpipe. These will prevent the hangers from slipping out of the rubber mounts. Also reconnect the grounding clip to the rear hanger on the right side tailpipe.

9) For a more secure installation, we recommend welding all slip-fit connections.

PACKING LIST		
Qty.	Description	Part #
1	Scavenger Assembly	26648S
2	Muffler	15430-253
1	Right Tailpipe Assembly	26652S
1	Left Tailpipe Assembly	26654S
1	PARTS KIT (includes the following)	PK868
2	• 2 ½" Band Clamp	MC250BS
4	• 3" Band Clamp	MC300BS
2	• 7/16" Hanger Keeper	HW502
6	• 10-32 x ½" Hex Stand Off	HW512
6	• 10-32 x 3/4" Button Head Screw	HW240
6	• 10-32 x 1/4" Button Head Screw	HW243
6	• #10 flat Washer	HW315



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Installation diagram for:
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FITS: 5.7L V8 ENGINE

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