

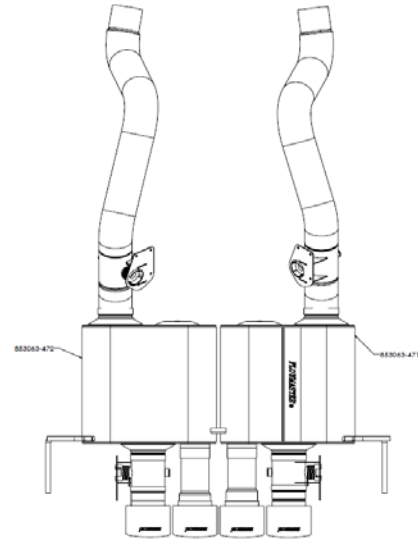


OUTLAW
SERIES
409S Stainless Steel

Installation Instructions for:
SYSTEM #817783
2014-2018 CHEVROLET CORVETTE
 6.2L ENGINE · AXLE-BACK SYSTEM
 FITS VEHICLES EQUIPPED WITH 4 VALVE NPP
 PERFORMANCE EXHAUST OPTION.

PACKING LIST

| <u>Qty</u> | <u>Description</u> | <u>Part #</u> | |
|------------|----------------------|---------------|--|
| 1 | Right Muffler | 853063-471 | |
| 1 | Left Muffler | 853063-472 | |
| 1 | Parts kit | PK834 | |
| 2 | ¼-20x3/4 Button Head | HW238 | |
| 2 | ¼-20 Hex Nut | HW101 | |
| 2 | ¼ Split Lock Washer | HW306 | |



08/14/17

Before you begin, please understand that the installation of this system requires significant disassembly of the rear fascia.



- 1) The entire lower rear bumper fascia (Blue portion in photo) must be removed. Because this is a painted body panel, you may want to consider covering it with masking tape for the disassembly/assembly process to prevent any scratches. **Note: Do not turn the vehicle ignition on anytime during the removal/assembly process.**



- 2) Begin by removing the rear license plate. Next, along the bottom of the bumper fascia there are several screws that secure the lower edges. Remove all of these screws (save all fasteners for reassembly).



- 3) On the outside ends of each side of the bumper fascia there are small, plastic, vertical grates that must be removed. These are held in place by small clips. Use a small screwdriver to carefully pop these out. At the bottom, where the red and black panels touch, they clip together. Use a small flat blade screwdriver to carefully separate them.



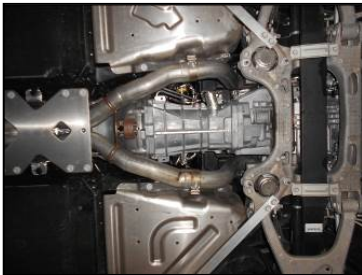
- 4) On each side of the bumper fascia there is a thin horizontal red reflector that must be removed. It is held in place with clips. Use a small flat blade screw driver to very carefully pop out these two reflectors. Once the reflectors are removed, you will see two hex bolts that secure the fascia to the bumper frame. Remove these two bolts along with the two that are located under where the license plate was mounted.



- 5) In the cavity just above the exhaust tips, there are two last hex bolts that need to be removed. At this point the panel is ready to be removed. We recommend that you have a helper for this part. The panel is secured along the top edge with clips. Grasp the panel at one end through the vertical slot and carefully pull it out. This will take a little muscle and finesse but it should pop right off. Once it's off, place it in a safe area out of the way.



- 6) This is what things should look like now. Now you need to start working under the car so either put the car on a hoist, or put the rear of the car on jack stands or ramps. At the rear, between the two factory mufflers you will find that they are connected by small brackets that are secured with small hex bolts. Remove these so that the mufflers can be removed separately.



- 7) Just forward of the rear sub-frame and axles you will find a clamp connection on each of the pipes. Loosen the nut on each of these clamps. Also, up at the top on each of the pipes that run over the axle, and the outer exhaust tip at the rear of the mufflers, there is an electrical butterfly actuator. Disconnect the electrical connectors at each of these actuators.



- 8) Above the outer edge of each muffler there is a hanger bracket bolted to the frame that supports the muffler. Remove the bolts that secure one side. Once it's off you should be able to wiggle the muffler assembly loose from the front connection and then out from over the axle. Repeat for the other side. Slip the hanger brackets off the original mufflers and slip them on to the new Flowmaster mufflers.



- 9) With the original mufflers out of the vehicle, remove the butterfly actuators that are mounted to the pipes just forward of the mufflers and at the outer tip. These are secured by three small hex head screws.



- 10) Using the three hex head screws removed in the step above install the butterfly actuators onto the valves in the new Flowmaster muffler assemblies. Tighten the three screws securely.



- 11) Once the actuators have been installed onto the muffler assemblies, the system can be reinstalled on the vehicle. Position one muffler at a time, up over the axle into the clamped connection. Re-use the original bolts to secure the rear hanger bracket up to the frame.



- 12) Once both mufflers are in place and supported, there are small brackets at the rear that will connect them together. Use the two supplied button head bolts, nuts and washers to secure the two mufflers together. Reconnect the electrical connectors to the actuators on the new mufflers.

The remainder of the installation is basically the reverse of the steps in the removal process. Once the rear fascia is back in place, you can go back and make any necessary adjustment to the alignment of the mufflers/tips before securely tightening down the inlet clamps and rear button head bolts. **Note: The GM service manual recommends that an “ACTUATOR LEARN PROCEDURE” be done when any changes are made to the exhaust system. In our experience this is not necessary. However, if you experience a check engine light or any other issues, it may be necessary to visit a GM dealer and have them run this procedure on the vehicle.**