



dBX^{series}

409S[®] Stainless Steel

Installation Instructions

SYSTEM #817605

2012-2013 CHEVY SONIC

Hatch Back Models with 1.8L Engine

09/25/12

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) To remove the factory exhaust system using a hacksaw or sawzall, cut the factory pipe just in front of the rear axle. Support the rear muffler assembly with a stand and remove the hangers on the assembly from the rubber mounts on the vehicle. Lower the muffler from the vehicle and set aside.



3) Support the front resonator assembly with a stand and remove the two nuts at the flanged connection behind the catalytic converter, save the nuts to be reused with the Flowmaster system. Remove the hanger on the assembly from the rubber mount on the vehicle and lower the assembly from the vehicle.



4) Place resonator assembly **#15166S** up into position behind the catalytic converter and connect the hanger on the assembly to the rubber mount on the vehicle. Then replace the two nuts removed in step 3 above and tighten securely.



5) Place a supplied 2¼" clamp onto the resonator outlet, then slide the front end of mid pipe **#16837S** into the resonator outlet and support with a stand. Tighten the clamp at the resonator outlet enough to hold, but still allow for adjustment.



6) Place a supplied 2¼" clamp onto the inlet of muffler assembly **12414310-291**. Put the muffler into position over the rear axle and onto the back of pipe **#16837S**. Connect the hangers on the muffler assembly to the rubber mounts on the vehicle and tighten the clamp on the inlet enough to hold, but still allow for adjustment.



7) Place a supplied 2¼" clamp onto the slip-fit of stainless tip **#ST402**. Place onto the muffler outlet and adjust to the desired position. Tighten the clamp enough to hold, but still allow for adjustment.

8) Adjust the position of all pipes and mufflers to provide a satisfactory fit. 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	Resonator Assembly	15166S	
1	Mid Pipe	16837S	
1	Muffler Assembly	12414310-291	
1	Parts Kit	PK651	
3	2¼" Band Clamp		MC225BS



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Installation diagram for:
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