



## **409S® Stainless Steel SYSTEM #817233**

**1986-1991 CHEVROLET CAMARO/PONTIAC FIREBIRD**  
5.0L & 5.7L HIGH OUTPUT ENGINES W/SINGLE CAT

04/21/11

### **Removal:**

- 1) Disconnect the negative side of the battery cable. Raise the vehicle up on a hoist or rack to working height and support securely with jack stands.
- 2) Support the stock muffler with a stand. Using a hacksaw or sawsall, cut the over-axle pipe where it enters the muffler case. Unbolt the left side tailpipe hanger from the rubber mount and remove the muffler/tailpipe assembly from under the vehicle.
- 3) Cut the exhaust pipe in front of the axle. (See figure A.) Remove the two screws that secure the over-axle pipe hanger to the frame. Save the two screws and the rubber hanger for reuse with the Flowmaster system. Remove the over-axle pipe from the vehicle.
- 4) Disconnect the remaining section of the system by removing the two bolts at the flange connection behind the catalytic converter. Remove this section from under the vehicle.

### **Installation:**

- 1) Before installing anything, prep the clamps supplied in the hardware kit by removing the nuts, and applying a thick lubricant such as white grease or anti-seize to the threads.
- 2) Take flange **#SF001** and slide it onto converter pipe **#26003S**. Using the stock bolts connect the pipe **#26003S** to the back of the catalytic converter.
- 3) Slip intermediate pipe **#26103S** onto the rear of pipe **#26003S** and support with a stand. Clamp lightly with one of the clamps provided.
- 4) Place the stock hanger removed in step three onto the hanger welded to the over-axle pipe **#26088S**. Slide the pipe over the axle from the rear and onto pipe **#26103S**. Reconnect the hanger to the frame using the stock screws.
- 5) Place the inlet of muffler **#8530831-Z** onto the end of pipe **#26088S**. Then install the left tailpipe **#26102S** by sliding the tailpipe into the muffler outlet. Attach the hanger to the rubber hanger using the 5/16" bolt, nut and washers. Install a 3" clamp onto the inlet and outlet connections and tighten enough to hold, but still allow for adjustment.

- 6) Install the right tailpipe **#26097S** by sliding the pipe into the muffler outlet. Install a 3" clamp and tighten enough to hold, but still allow for adjustment.
- 7) Adjust the position of all pipes and muffler to provide a satisfactory fit. A minimum of 3/4" clearance around all parts of the system must be maintained; while also keeping suspension travel and vibration in mind.
- 8) 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	Converter Pipe	26003S	
1	Intermediate Pipe	26103S	
1	Over-Axle Pipe	26088S	
1	Muffler	8530831-Z	
1	Left Tailpipe	26102S	
1	Right Tailpipe	26097S	
1	Parts Kit	PK549	
1	Flange		SF001
5	3" Clamp		MC300BS
1	5/16" x 1 1/4" Hex Bolt		
1	5/16" Hex Nut		
1	5/16" Lock Washer		
1	5/16" Fender Washer		



Installation diagram for:  
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**AMERICAN THUNDER**

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