



409S[®] Stainless Steel SYSTEM #817234

1986-1991 CHEVROLET CAMARO/PONTIAC FIREBIRD
5.0L & 5.7L ENGINE • LOW OUTPUT/SINGLE CAT

06/15/11

Removal:

- 1) Raise the vehicle up on a hoist or rack to working height.
- 2) Support the stock muffler with a stand. Then 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 axle.
- 4) Disconnect the remaining section of the system by removing the two bolts and the flanged 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) Using the stock bolts, connect converter pipe **#16014S** to the back of the catalytic converter.
- 3) Slip intermediate pipe **#26103S** onto the rear of the converter pipe and support with a stand. Install a 3" clamp and tighten just enough to hold in position.
- 4) Place the stock hanger removed in Step 3 above 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**. 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 in place, but still allow for adjustment.

- 7) Adjust the position of the muffler and pipes to provide a satisfactory fit and tighten securely. Maintain a minimum of 3/4" clearance between the Flowmaster system, the drivetrain and chassis components, while also keeping suspension travel and vibration in mind.
- 8) For a more secure installation, we recommend welding all slip-fit connections.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
1	Converter Pipe	16014S
1	Intermediate Pipe	26103S
1	Over-Axle Pipe	26088S
1	Muffler	8530831-Z
1	Right Tailpipe	26097S
1	Left Tailpipe	26102S
1	Parts Kit	PK570
5	3" Clamps	MC300BS
1	Lock Washer	HW308
1	Hex Bolt	HW205
1	Hex Nut	HW102
1	Fender Washer	HW305



Installation diagram for:
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**AMERICAN
THUNDER**

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