

FLOWMASTER™

AMERICAN THUNDER™ SYSTEM #17233

**1986-91 CHEVROLET CAMARO/PONTIAC FIREBIRD
5.0L AND 5.7L HIGH OUTPUT ENGINES WITH SINGLE CAT.**

APRIL 22,2003

Removal:

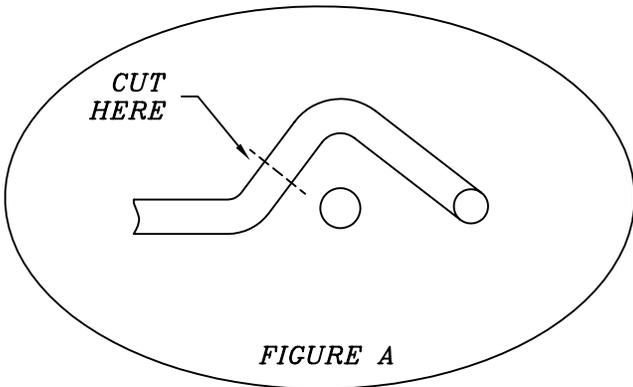
- 1) Raise the rear of the vehicle and support with jack stands.
- 2) Support the stock muffler with a stand. Then using a hacksaw or sawsall, cut the over-axle pipe where it enters the muffler case. Also unbolt the left side tailpipe hanger from the rubber mount and remove the muffler/tailpipe assembly from under the vehicle.
- 3) Cut the exhaust pipe in front of the axle. (See figure A.) Then 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) Take flange **#SF001** and slide it onto converter pipe **#26003**. Using the stock bolts connect the pipe **#26003** to the back of the catalytic converter.
- 2) Slip intermediate pipe **#26103** onto the rear of pipe **#26003** and support with a stand. Clamp lightly with one of the clamps provided.
- 3) Place the stock hanger removed in step three above onto the hanger welded to the over axle pipe **#26088**. Slide the pipe over the axle from the rear and onto pipe **#26103**, reconnect the hanger to the frame using the stock screws.
- 4) Place the inlet of muffler **#530831** onto the end of pipe **#26088**. Then install the left tailpipe **#26102** by sliding the tailpipe into the muffler outlet, then attaching 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 in place but still allow for adjustment.
- 5) Install the right tailpipe **# 26097** by sliding the pipe into the muffler outlet. Install a 3" clamp, tighten enough to hold in place but still allow for adjustment.
- 6) Adjust the position of the pipes and the muffler to provide a satisfactory fit. Now all the connections can be tightened down securely. Try to keep at least $\frac{3}{4}$ " clearance around all parts of the system to avoid any rattles. Also keep suspension travel in mind.

NOTE: FLOWMASTER RECOMMENDS WELDING ALL SLIP FIT CONNECTIONS.

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PACKING LIST

QTY.	PART#	DESCRIPTION
1	26003	CONVERTER PIPE
1	26103	INTERMEDIATE PIPE
1	26088	OVER-AXLE PIPE
1	530831	MUFFLER
1	26102	RIGHT TAILPIPE
1	26097	LEFT TAILPIPE
1	PK403	PARTS KIT
1	SF001	FLANGE
5	MC300G	3" CLAMP
1		5/16" X 1-1/4" HEX BOLT
1		5/16" HEX NUT
1		5/16" LOCK WASHER
1		5/16" FENDER WASHER

