



1995-1997 CHEVROLET CAMARO/PONTIAC FIREBIRD
V6 ENGINE · 3.8L

03/01/12

Removal:

- 1) Raise the vehicle up on a hoist or rack to working height. If you do not have access to a hoist or rack raise the vehicle and support securely with jack stands.
- 2) Using a hacksaw or sawsall, cut the inlet pipe off where it enters the muffler case. Remove the bolt that secures the rubber hanger to the bracket on the left tailpipe. This will allow you to remove the entire muffler tailpipe assembly.
- 3) The rear panhard bar must be rotated down to allow the over-axle pipe to be removed. The bar runs above and parallel to the rear end housing. There are three bolts that secure it to the unibody which must be removed. There are also two small sheet metal screws which fasten the bar to a heat shield that needed to be removed. Once these are removed, pull the bar down as far as you can. (Keep all of the bolts because you will need to put them back.)
- 4) There are also two small sheet metal screws that secure the heat shield to the body on the right side where the axle pipe runs over the panhard bar. These must be temporarily removed in order to get the new pipe into place.
- 5) Remove the nut that secures the hanger tongue to the bracket on the over-axle pipe (located on the right side just behind the rear axle.) Remove the two bolts that fasten the rubber mount to the body. Keep the rubber mount and bolts as they will be needed.
- 6) Loosen the band clamp on the front pipe to cat connection. There is a square hole in the cross brace that allows you to reach it with a 15mm deep socket and extension. Once loose, the pipe can be slid back off of the cat pipe. If you are working on a rack, you will be able to now swing the whole pipe down and negotiate it out from over the axle. If you are working on the ground you will need to cut the pipe off before it goes over the axle in order to get it out.

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) Place the 2 1/4" clamp over the end of the resonator pipe **#15128**. Install the resonator assembly in position behind the catalytic converter. Tighten the clamp enough to hold in place, but still allow for adjustment.
- 3) Negotiate the over-axle pipe **#16389** up over the rear axle. Install one of the 2 1/2" clamps over the front of the pipe and slip the pipe over the rear of the resonator pipe.

- 4) Slip the factory rubber mount onto the rear hanger and push the pipe up into position so that the hanger can be fastened back into place using the original two bolts.
- 5) The rear panhard bar should now be pushed back up and bolted back into place. The heat shields should also be fastened back in place.
- 6) Place the three remaining 2 1/2" clamps onto the muffler necks and tighten them just enough to hold in place.
- 7) Lift the muffler into position and slide the neck marked "INLET" onto the over-axle pipe. Use a stand of some sort to temporarily support the muffler.
- 8) Install the left tailpipe **#16388** by sliding into the muffler outlet. Connect the hanger to the factory rubber mount using the 5/16" bolt, nut and fender washer.
- 9) Install the right tailpipe **#16385** by sliding the pipe into the muffler outlet.
- 10) Adjust the position of the muffler and pipes to provide a satisfactory fit. 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.
- 11) Tighten down all clamped connections securely.
- 12) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help to prevent surface rust and premature corrosion.

PACKING LIST

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PART#</u>
1	Resonator Assembly	15128
1	Over-Axle Pipe	16389
1	Muffler	52583
1	Right Tailpipe	16385
1	Left Tailpipe	16388
1	Parts Kit	PK395
1	2 1/4" Clamp	MC214S
4	2 1/2" Clamp	MC250S
1	5/16"-NC 1 1/2" Hex Bolt	
1	5/16"-NC Hex Nut	
1	5/16" Split Lock Washer	
1	5/16" Fender Washer	



Installation diagram for:
SYSTEM #17357
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