



Installation Instructions

817661

1974-79* CHEVROLET CORVETTE 350 CI ENGINE

Intended for Off Road Use Only on 1975-79 vehicles.

*1975-79 model years with factory Y-pipe require custom downpipes.

Removal:

Rev. 3/8/2021

1a) Remove existing exhaust system starting 2.75" behind crossmember. Unbolt factory hangers at rear of mufflers; these will not be used with your Flowmaster system.

Installation:



1b) Starting just behind cross-member, place provided 2.25" clamp onto expanded ends of X-pipe assembly **#86171S**, then slide it onto rear of manifold pipes (verifying connections are secure). Place stand under assembly rear and tighten clamps just enough allow for later adjustment.



2) Place a provided clamp onto both outlets of X-pipe assembly **#86171S**. Place the expanded end of mid pipe **#86175S** onto the right outlet of the X-pipe assembly. Rotate the pipe up into position and support the rear of the pipe with a stand. Tighten the clamp enough to hold but still allow for adjustment. Repeat this step on the left side of the vehicle with pipe **#86176S**.

3) Place one of the supplied **HA572** rubber mounts onto the wire hanger (upper for 74 models, lower for 75-79 models, cut off the upper hanger for installation on 75-79 models) of right muffler assembly **#842452-333**. Place a provided clamp onto the muffler inlet, then place the assembly onto the back of the mid pipe and slide the two full together, support the muffler with a stand. Using a supplied 3/8" bolt, nut, washer and lock washer, bolt the HA572 hanger to the hole in the frame above the muffler outlet.



4) Place one of the supplied **HA572** rubber mounts onto the wire hanger (upper for 74 models, lower for 75-79 models, cut off the upper hanger for installation on 75-79 models) of left muffler assembly **#842452-334**. Place a provided clamp onto the muffler inlet, then place the assembly onto the back of the mid pipe and slide the two full together, support the muffler with a stand. Using a supplied 3/8" bolt, nut, washer and lock washer, bolt the HA572 hanger to the hole in the frame above the muffler outlet.



4) Adjust the position of the pipes and mufflers 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. Tighten all clamped connections down securely.

5) 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	X-Pipe Assembly	86171S
1	Right Mid Pipe	86175S
1	Left Mid Pipe	86176S
1	Right Muffler	842452-333
1	Left Muffler	842452-334
1	Parts kit	PK758
6	2 1/4" Clamp	MC225BS
2	Rubber Hanger	HA572
2	3/8" x 1" Bolt	HW208
2	3/8" Nut	HW103
2	3/8" Flat Washer	HW303
2	3/8" Lock Washer	HW309



Installation Diagram

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