

SGF70

409 Stainless Steel header/cross-member back exhaust system for
1967-81 GM F-bodies

SGF70: 2-1/2" w/ x-pipe, cross-flow muffler and qtr exit tailpipes

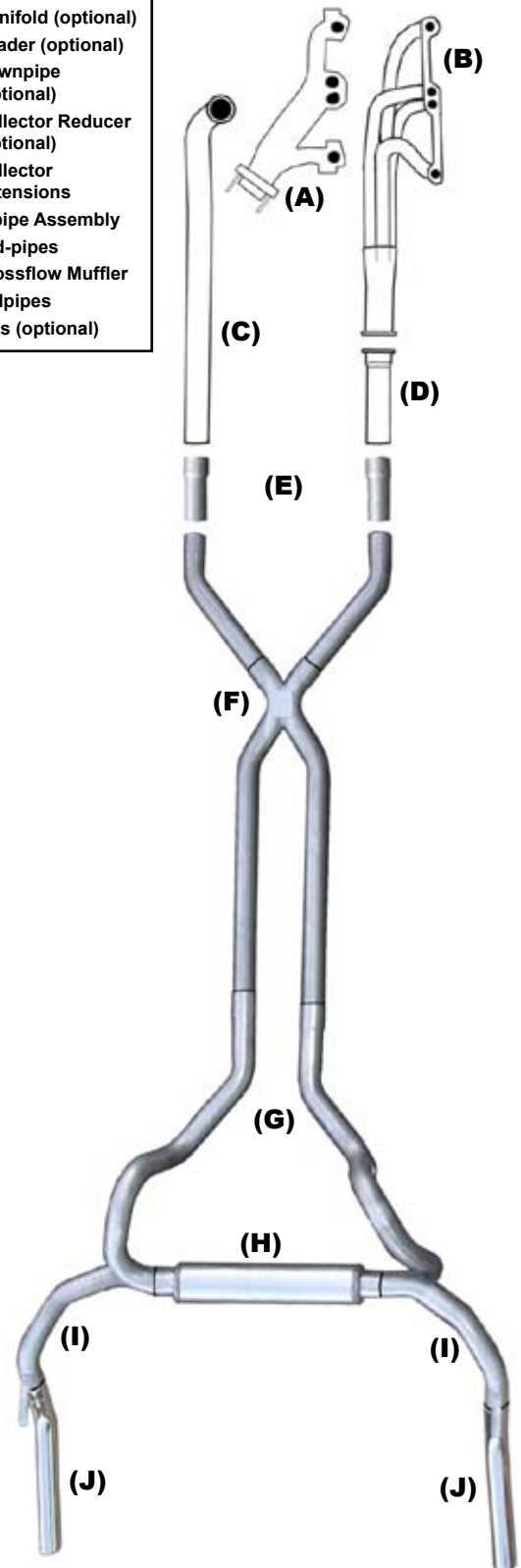


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Thanks again for purchasing your new 409 stainless steel Pypes Performance Exhaust header/cross-member back system. Please be sure to confirm all the components in the kit were received in your shipment before beginning installation. These kits will include (1) X-pipe kit, (1) Race Pro designed Crossflow Muffler, (2) tailpipes, (2) mid-pipes, (2) collector extensions, (2) muffler hangers, (2) tailpipe hangers, (8) clamps, and (1) bonus pack. If you find any component missing, please contact our office at 800-421-3890 for replacement. Installation of this kit will require some simple hand tools; box wrenches, deep sockets w/ ratchet, extension, a saws-all and some penetrating lubricant. For a quicker and tighter installation, air tools are recommended. Fully welding the system is always recommended when possible. Technical assistance is available both online at www.pypesexhaust.com or 800-421-3890. Also, our online Installation Gallery is a great assistant during your installation, visit www.pypesexhaust.com/pictures.html.

1. Begin by placing the vehicle on a lift or four jack stands at maximum height to aid in an easier installation. To help ease the installation, pre-fit all the components into a complete system on your garage floor, using the diagram provided.
2. First, remove the existing exhaust system from the headers or exhaust manifolds back. You can also remove any hanger mounted to the frame as your new kit includes factory reproduction hangers.
3. Now it's time to install your new components. Begin by test installing your new tailpipes. The new repro tailpipe hanger will get mounted in the factory location on the outside of the frame rail just in front of the leaf spring shackles. Slide the spoon hanger welded to the tailpipe into the hanger just installed. 67-69 owners may want to remove the spoon hanger and utilize the factory qtr exit tailpipe hanger. Here is where the muffler installation will begin. The Crossflow muffler should sit square and parallel, between the gas tank and the rear. We have supplied two hanger brackets which get mounted in the factory location above the muffler. Wire forms have been provided and can be welded on for added support. The driver side tailpipe will go in the bottom inlet of the muffler and the passenger side into the top inlet opposite side. Next, the over the axle portion (mid-pipes) of the tailpipe can be installed. Driver side will go in the top of the muffler and the passenger side into the bottom of the opposite side. Final adjustments will be done when the entire system is installed. The muffler hangers will get mounted to the rear seat pans just in front of the rear. On some models, you maybe able to utilize the original muffler and tailpipe hangers. If you so choose, custom hangers may be fabricated, let your creativity shine...
4. Next, its time to install the x-pipe. This is where trimming of the tubing may be required for the optimum fit. Install the rear "X" member into the mufflers first. You are aiming to have the center "X" land approx 8-12 inches behind the tail shaft of your transmission and centered under the driveshaft. Also, the center plate on the "X" has an arrow stamp which must point forward. Trim the rear legs as needed to put your "X" in the proper location. Quick tip: If the rear suspension is unloaded, you can push the center "X" up until it just about touches the drive shaft as it will never hit once t he suspension is loaded. Slide the front legs into the x-pipe. They should end somewhere close to the humps in your transmission cross-member. On some applications, the front "X" legs may not be centered in the humps but line up to your headers or down-pipes. This is fine as the system will not hang too low. Be extra careful when measuring and cutting. A helpful tip: Line up the front legs under the center "X" to mark your cut lines making sure to line them up with you headers or down pipes. Note: Convertible owners will require the body brace spacer to be lowered using our RPE631FA body brace spacer kit.
5. Connect the front legs of the x-pipe to the headers (collector reducers) utilizing the two 1ft collector extension pipes. Trimming the length may be required. Do not connect the x-pipe directly your headers. If down pipes (see down-pipe instructions) are used, make sure they end close to the rear side of the transmission cross member. If they are too long they must be trimmed. Some header applications require custom collectors due to the header not ending square and parallel to the car. For proper system fit, you collectors must run parallel with your rocker panels.
6. Install Optional EVT49 Quarter-Exit tips or EVT58/59 Rear-Exit tips. Installation of 1976-81 TA tips will require extra material for proper tip position.
7. Finish the system by making all your final adjustments to position the x-pipe, mufflers and tailpipes. Now tighten all the clamps (Warning: tightened clamps will leave marks in the tubing, making removal or adjustments extremely difficult) or for the best fit weld all the slip joints. The 409 stainless can be welded with your standard mig welder, and is highly recommended when possible.

- (A) Manifold (optional)
- (B) Header (optional)
- (C) Downpipe (optional)
- (D) Collector Reducer (optional)
- (E) Collector Extensions
- (F) X-pipe Assembly
- (G) Mid-pipes
- (H) Crossflow Muffler
- (I) Tailpipes
- (J) Tips (optional)



**Now it's time to fire up that muscle car and enjoy your
new Pypes Performance Exhaust.**