

Crossover Pipe™ Installation

C5

1997 & Newer (including Z06)

Part Number 14131

TOOLS REQUIRED:

Chain Cutter
9/16" socket
9/16" wrench
15mm socket
13mm socket
5/16" allen wrench
Black marking pen
Ruler (straight-edge)
Socket wrench (3/8" drive)
Socket wrench extension
Hammer (rubber mallet)
Paper towels or rags
Sandpaper or file
Torque wrench
Tape measure

SYSTEM CONTENTS:

(1) Crossover Pipe™ assembly
(2) TORCA band clamps
(2) Flange gaskets
(4) 3/8" - 16 x 1-1/4" stainless bolts
(4) 3/8" - 16 serrated flange nuts
(1) Pkg. Anti-seize lubricant

TORQUE SETTINGS:

2-1/2" TORCA band clamps - **45 ft.-lbs.**
Over-the-axle pipe flange bolts - 40 ft.-lbs.
Center hanger bracket - 10-12 ft. lbs.



For technical assistance, call (800) 486-0999.

Please be sure to review the attached instructions prior to beginning the installation process. If you have any questions about the enclosed parts, instructions or encounter a problem during installation, call CORSA Performance Technical Assistance at 800.486.0999. Do not attempt to make any modifications to parts as this will void your warranty.

All Torca clamps should be tightened using a properly calibrated Torque Wrench. Using an air impact gun will damage the clamp and reduce its ability to effectively seal the joint. It may also cause the joint to separate thereby causing damage to your exhaust system and your vehicle.

C A U T I O N

Prior to installation, be sure your vehicle is parked on a level surface, and the exhaust system is cool. For safety purposes and ease of installation, we urge you to take your vehicle to a qualified service center or muffler installer that employs the use of a lift.

- 1) With your Corvette parked on a level surface, jack it up and support it with four jack stands. Give yourself enough room to work under the car comfortably.
The safest and preferred method would be to use a lift.
- 2) Remove the CORSA Crossover Pipe, hardware kit and the installation instruction packet from the shipping carton.
- 3) Carefully review the installation instructions to make sure you have the tools required as indicated to perform the install - including a chain cutter available at auto parts stores.
- 4) Locate the catalytic converter pipe bracket (**see Fig. A**) that mounts to the transmission housing. This will serve as the point from which to make your measurements to determine the required cutting points.

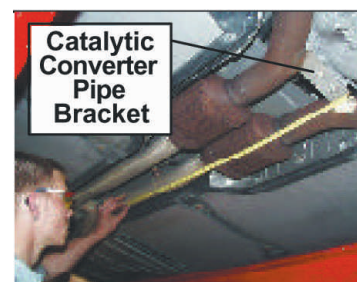


Fig. A



Fig. B



Fig. C

5) Begin measuring by placing your tape measure on the front edge of the bracket (**see Fig. A**) and running the tape measure along the DRIVER'S SIDE pipe towards the rear of the car. At 31-1/2", mark the pipe (**see Fig. B**)

6) Repeat the process for the PASSENGER'S SIDE pipe and marking the pipe at 30-inches. (**see Fig. C & D**)

7) **Measure twice - cut once rule - Re-check steps and measurements.**

8) Using a chain cutter, cut the two staggered marks made on the intermediate pipe assembly. **IMPORTANT:** Be sure to follow the chain cutter instructions prior to making the final cuts. After the final cuts are made, your cuts should look like those in **Figure E**.

CAUTION: The cut edges are sharp, it would be a good idea to use sandpaper or a file to dull the edges.

9) Next remove the bolts from the intermediate pipe assembly to the over-the-axle pipe flanges (**see Fig. F**)

10) Remove the two intermediate pipe hanger bracket bolts. Save these bolts, as they will be needed to install your CORSA Crossover Pipe. (**see Fig. G**)

11) Locate the two CORSA TORCA band clamps from the hardware kit and slip them over the catalytic converter pipes - do not tighten (**see Fig. H**) Note direction of clamps!

12) Now slip the CORSA Crossover Pipe™ over the intermediate pipe assembly with the Crossover Pipe™ hanger bracket facing up. Driver and passenger side inlets are labeled. For proper alignment, passenger side flange will be lower than driver's side.

13) Reuse the center hanger bracket support bolts and lightly tighten.

14) Locate the supplied flange bolts and gaskets in the hardware kit. Insert new gaskets at each flange and using supplied flange bolts, lightly tighten. (**see Fig. I**)

15) Slip the CORSA TORCA band clamps over Crossover Pipe™ and lightly tighten.

16) Before tightening, check to make sure everything is aligned and centered. Then proceed to tighten the CORSA TORCA band clamps (**see Fig. J**), flange bolts (**see Fig. K**) and center hanger bracket (**see Fig. L**)

Torque Settings: TORCA band clamps - 45 ft. lbs., Flange bolts - 40 ft. lbs. and center hanger bracket - 10 - 12 ft. lbs.

17) Once installation is complete, start engine and check to ensure there are no leaks or rattles. It is **MANDATORY** that all clamps be checked and tightened if necessary after road testing the vehicle and after system has cooled.



Fig. D



Fig. E



Fig. F

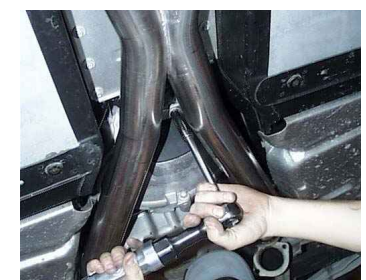


Fig. G



Fig. H

INSTALLATION NOTE:

Be sure to apply the anti-seize lubricant that has been provided to all bolts, fasteners and clamps. A pouch with anti-seize lubricant is included with the hardware kit. Apply the supplied anti-seize lubricant to the threads **ONLY** of all TORCA band clamps. Failure to follow this procedure can cause the nuts to seize on clamps and potentially damage threads.

WARNING:

Be sure to thoroughly clean hands after use. Anti-seize lubricant will tarnish stainless steel parts.



Fig. I



Fig. J



Fig. K



Fig. L



Fig. M

If you have any questions about the installation process, call CORSA Performance and ask one of our Sales & Technical Service Representatives. Do not attempt to make any modifications to parts as this will void your warranty. 800.486.0999

NOTE: Immediately following the installation of your CORSA exhaust system, you may experience a trace of smoke after initial start-up. **DO NOT** be alarmed. The smoke is caused by the burning of a small amount of forming oil residue used in the manufacturing process.



For technical assistance, call (800) 486-0999.