

97-04 CHEVROLET CORVETTE C5

CORSA[®]
PERFORMANCE



IMPORTANT! WARRANTY AND INSTALLATION INSTRUCTIONS

Please Forward All Information to Consumer

Be sure to review the enclosed instructions prior to beginning the installation process. If you have any questions about the enclosed parts or instructions, or if you encounter a problem during installation:

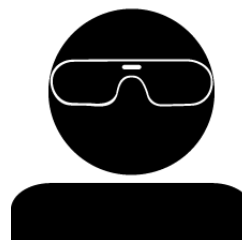
CALL TECHNICAL SUPPORT: 440.891.0999 or 800.486.0999

**TO ACTIVATE YOUR WARRANTY GO TO:
CORSAPERFORMANCE.COM/WARRANTY**

COLOR INSTRUCTIONS ARE AVAILABLE BY PART NUMBER ON: **CORSAPERFORMANCE.COM**



NEVER work on a hot exhaust system.
Allow time for the vehicle to cool.



**Always wear eye protection
when working under a vehicle.**

INSTALL DIFFICULTY 

RECOMMENDED TOOLS & SUPPLIES

- 3/8" Drive Ratchet
- 3/8" Drive Torque Wrench
- 3/8" Drive Metric Normal and Deep Socket Sets
- 9/16" Wrench
- Small Pick or Similar Tool
- 3/8" Drive Ratchet Extensions: 3", 6", and 12"
- O2 Sensor Socket or 22mm Wrench
- Metric Box and Open End Wrench Sets
- 5/16" Allen Wrench
- Soap and Water Solution

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector

Part #: 16000, 16001, 16002, 16100, 16101, 16102



Please take time to read and understand these installation instructions.

CORSA recommends that the installation of this system be performed by a qualified service center or professional installer who has; experience installing off-road products, the necessary equipment, tools, and experienced personnel. In order to increase the vehicle's performance this system was engineered differently from the vehicle's stock headers. Take particular care to ensure proper clearance of all lines, hoses, and cables.

WARNING: Do not allow anything to touch or be in close proximity to this system. Never work on a hot exhaust system. Allow time for the vehicle to cool. Always wear eye protection when working under a vehicle.

CORSA Performance makes no representation or warranty, expressed or implied that its downpipe or header products and or components there-in comply with federal, state or local emission levels, noise levels, labeling laws, safety standards, or that any of their parts conform with the racing vehicles exemption, unless otherwise noted. The purchaser assumes all responsibility for such use and compliance.

This warranty does not extend to damaged or defect in the finish of a product or to any product, that in the opinion of CORSA Performance, has been misused, damaged by accident or negligence, altered or modified in any way, faulty installation or installed contrary to CORSA installation instructions, or repaired by an unauthorized service facility.

Full warranty available on www.corsaperformance.com

WARNING: CORSA Performance Headers are intended for off-road use only. Products are not legal for sale or use in the state of California, or in states that adopt California Air Resources Board emission standards.

NOTE: This instruction sheet assumes that the CORSA Performance X-Pipe (CORSA Part #: 14131) and CORSA Exhaust Connection Pipes (CORSA Part #: 16019) are installed in conjunction with the CORSA Long Tube Headers. May fit to other systems with modifications.

NOTE: Individual vehicle variations and stock header differences can impact the order of installation. The directions provided will assist in removal and CORSA installation. Please contact a CORSA representative with any concerns.

Please confirm that all parts are present according to the bill of materials before beginning the installation.

If something is missing call Tech Support at 440.891.099 or Toll Free: 1.800.486.0999

[BILL OF MATERIALS LOCATED ON PAGES: 3-5]

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector

Part #: 16000, 16001, 16002, 16100, 16101, 16102



HEADER BILL OF MATERIALS

PART # 16000 (1997-2000)

Long Tube Header (<i>Driver</i>)	1	Long Tube Header (<i>Passenger</i>)	1
O2 Extension Cables (<i>Front</i>)	2	Secondary Air Injection Gaskets	2
Header Collect Bracket	1	Header Bolts 8mm	12
Header Gaskets (<i>Stainless Steel</i>)	2	Graphite Donut 3.0" Gaskets Kit	

CONNECTION PIPES BILL OF MATERIALS

PART # 16019



Flanged Connection Pipe w/ O2 Bung (*Driver*)

Flanged Connection Pipe w/ O2 Bung (*Passenger*)

HEADERS + CONNECTION PIPES

PART # 16100



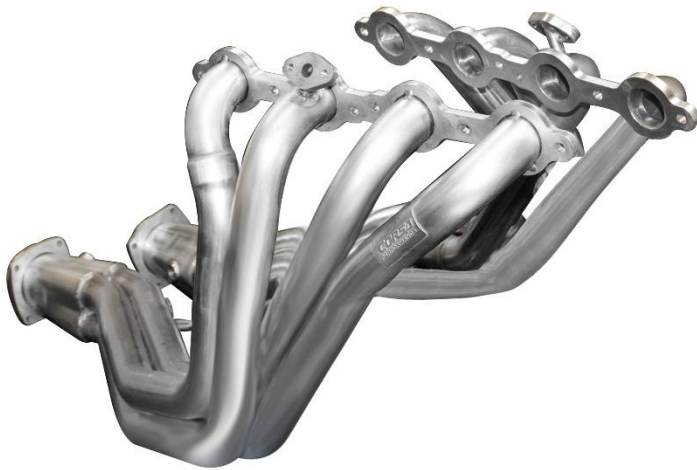
Item 1: Long Tube Catless Headers Part Number: 16000

Item 2: CORSA Connection Pipes Part Number: 16019

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector

Part #: 16000, 16001, 16002, 16100, 16101, 16102



HEADER BILL OF MATERIALS

PART # 16001 (2001-2003)

Long Tube Header (<i>Driver</i>)	1	Long Tube Header (<i>Passenger</i>)	1
O2 Extension Cables (<i>Front</i>)	2	Secondary Air Injection Gaskets	2
Header Collect Bracket	1	Header Bolts 8mm	16
Header Gaskets (<i>Stainless Steel</i>)	2	Graphite Donut 3.0" Gaskets Kit	

CONNECTION PIPES BILL OF MATERIALS

PART # 16019



Flanged Connection Pipe w/ O2 Bung (*Driver*)

Flanged Connection Pipe w/ O2 Bung (*Passenger*)

HEADERS + CONNECTION PIPES

PART # 16101



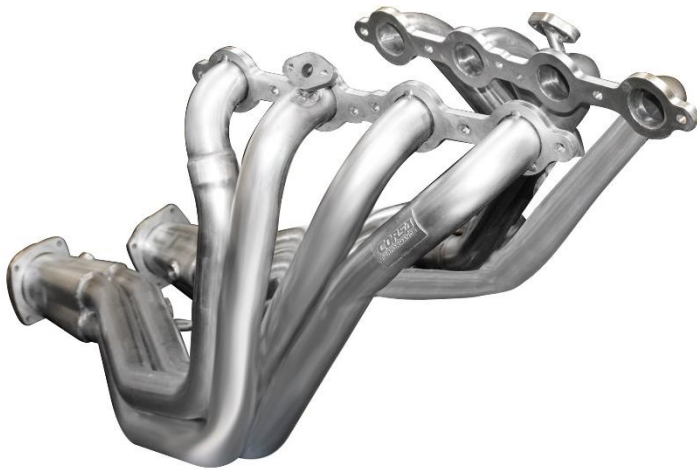
Item 1: Long Tube Catless Headers Part Number: 16001

Item 2: CORSA Connection Pipes Part Number: 16019

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector

Part #: 16000, 16001, 16002, 16100, 16101, 16102



HEADER BILL OF MATERIALS				PART # 16002 (2004)	
Long Tube Header (<i>Driver</i>)	1	Long Tube Header (<i>Passenger</i>)	1		
O2 Extension Cables (<i>Front</i>)	2	Secondary Air Injection Gaskets	2		
Header Collect Bracket	1	Header Bolts 8mm	16		
Header Gaskets (<i>Stainless Steel</i>)	2	Graphite Donut 3.0" Gaskets Kit			

CONNECTION PIPES BILL OF MATERIALS		PART # 16019	
		Flanged Connection Pipe w/ O2 Bung (<i>Driver</i>)	
		Flanged Connection Pipe w/ O2 Bung (<i>Passenger</i>)	

HEADERS + CONNECTION PIPES		PART # 16102	
		Item 1: Long Tube Catless Headers Part Number: 16002	
		Item 2: CORSA Connection Pipes Part Number: 16019	

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector

Part #: 16000, 16001, 16002, 16100, 16101, 16102



NOTE: This system was designed to connect to CORSA X-Pipe PN: 14131, CORSA Connection Pipes PN: 16019, and CORSA Cat-Back Part #: 14962, 14114, 14961CB, 14132CB, 14111CB, and 14139CB. Tip color does not affect fitment. The need for additional modification and fabrication may arise. The vehicle owner assumes all responsibility for subsequent fitment issues.

CAUTION: Never work on a hot exhaust system. Allow the vehicle to cool for at least an hour and a half. Always wear eye protection when working under a vehicle. It is recommended to use cotton gloves in order to protect the stainless steel surface of the header from permanent grease and oil stains.

NOTE: Lift the vehicle using a hydraulic lift or jack and jack stands. A lift is strongly recommended because three (3) feet or more is needed to install the driver side header from the underside.

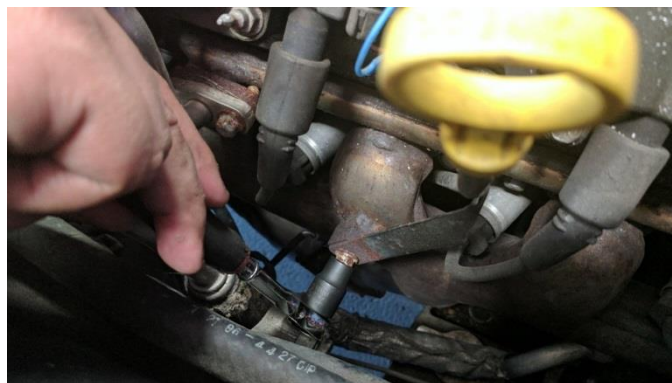
REMOVAL INSTRUCTIONS

FACTORY MANIFOLD



1. Remove the black negative battery cable using an 8mm wrench or 8mm socket and ratchet.

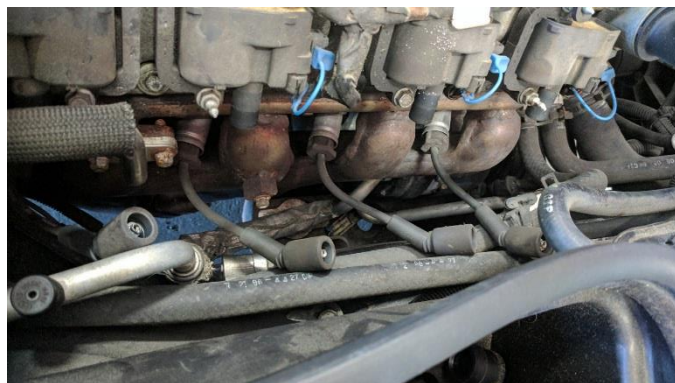
Remove the oil filler cap on the passenger side. Carefully remove the plastic fuel rail covers from both sides of the engine. **Replace the passenger side oil filler cap once the cover is removed.**



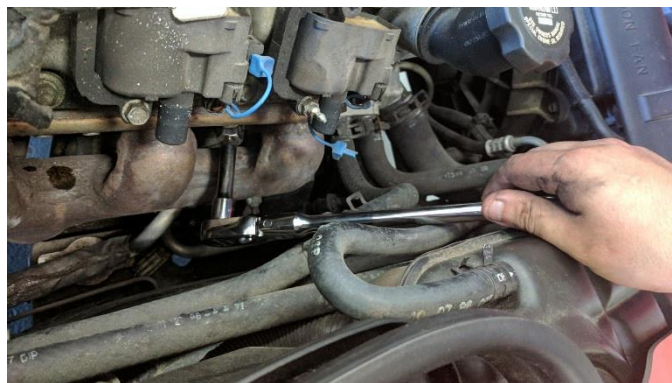
2. Starting on the passenger side, remove the oil dipstick tube, held in place with a 10mm bolt. Remove bolt with a 10mm socket and ratchet. Pull the dipstick tube up and out of the oil pan. **Save bolt and dipstick tube for reinstallation (Install Step 23).**

'97-'00 Vehicles: Tube is bolted to the stock manifold.

'01-'04 Vehicles: Tube is bolted to the head.



3. Remove the spark plug wires from both the spark plugs and the coil packs. **PRO TIP:** It helps to slightly twist the rubber boots to break them loose.



4. Remove spark plugs using a ratchet, 3" extension, and 5/8" spark plug socket. Near where the oil dipstick tube was bolted to the manifold, is a small flange for the secondary air injection system. Remove the two flange bolts using a 10mm wrench or socket and ratchet. **Save for reinstallation (Install Step 24).**

Continued on Next Page ...

REMOVAL INSTRUCTIONS

FACTORY MANIFOLD

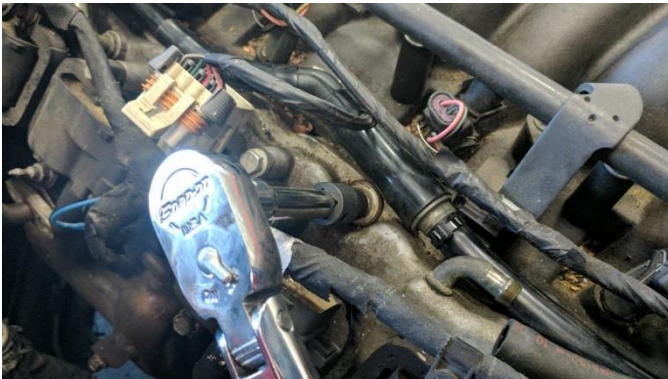


- 5.** Remove the two hoses connecting the valve cover to the PCV system. One near the front of the valve cover runs to the throttle body. The other hose is near the rear of the valve cover and angled toward the fire wall (Photo in **Step 6**).



- 6.** Disconnect the grey electrical connector in the middle of the valve cover for the coil pack harness.

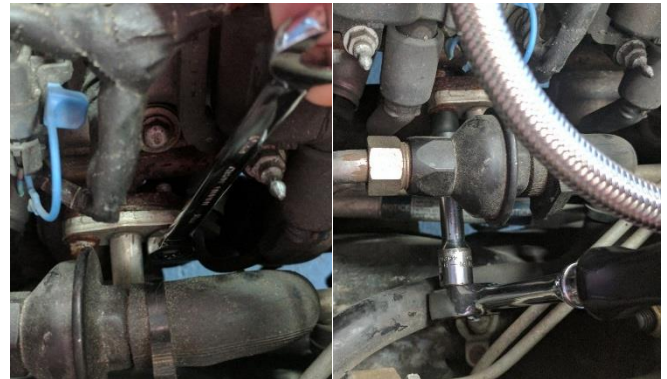
'01-'04 Vehicles: The entire coil pack harness and coil packs must be removed from the valve cover to gain access to the valve cover bolts.



- 7.** Remove bolts securing the valve cover to the head using a 10mm wrench or socket, extension, and ratchet (depending on location). **Save all valve cover bolts for reinstallation** (Install Step 21).

Carefully remove the valve cover from the head.

WARNING: DO NOT allow debris to fall into the head cavities. Cover the exposed head with several clean shop towels to prevent contamination or dropping hardware inside..

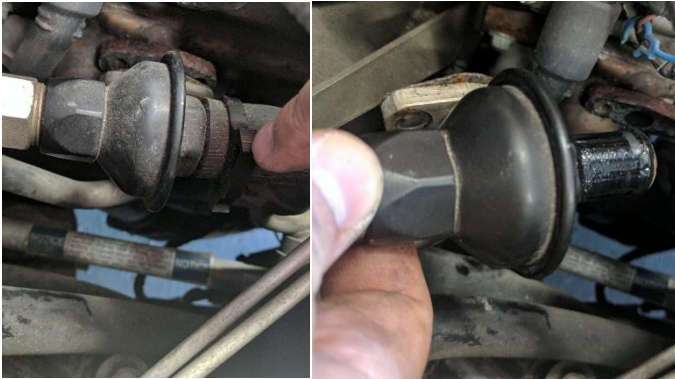


- 8.** Switch to the driver side. Remove the two bolts for the secondary air injection flange using a 10mm wrench or socket and ratchet. **Save bolts for reinstallation** (Install Step 25).

Continued on Next Page ...

REMOVAL INSTRUCTIONS

FACTORY MANIFOLD



- 9. PRO TIP:** During the later steps, it may be easier to remove the small check valve and hard line bends.

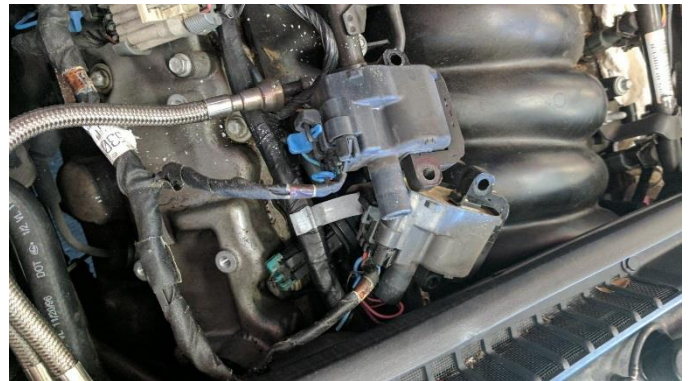


- 10.** Remove the spark plug wires from the coil packs and spark plugs.

Carefully remove the black hose clamp then wiggle the tubing until you can remove the valve. A small 90° pick or similar tool that can get under the lip of tubing enough to spray soapy water or other lubricant makes removal much easier.



- 11.** Notice the coil packs are secured with two different types of bolts: some are flat and some have a spiked head. These must be in the **correct spots during reassembly** or the plastic fuel rail covers will not snap in place. **Remove and save the 8 bolts** (Install Step 22). Securing the coil packs using a 10mm wrench or socket, extension and ratchet. **PRO TIP:** It is helpful during reassembly to take a picture showing the general area of the driver side valve cover.



- 12.** Move the coil packs onto the intake manifold to get them out of the way. Remove the spark plugs from the driver side using a 5/8" spark plug socket, 3" extension and ratchet.

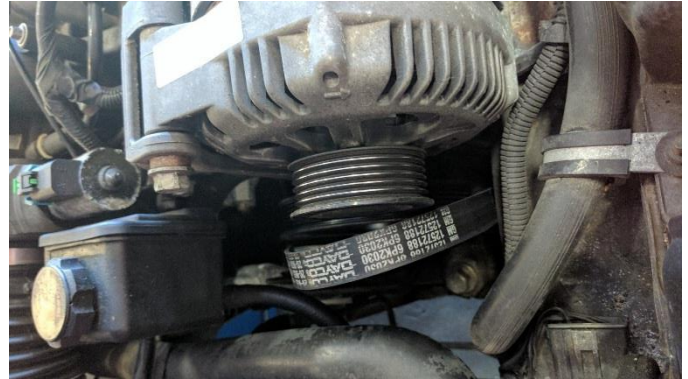
Continued on Next Page ...

REMOVAL INSTRUCTIONS

FACTORY MANIFOLD



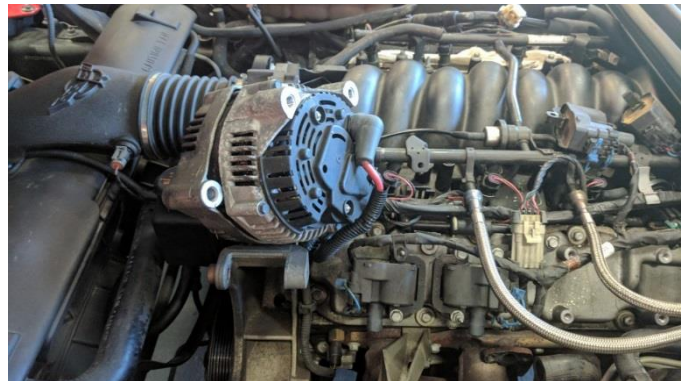
13. Using a 15mm socket and ratchet, remove the tension from the serpentine belt.



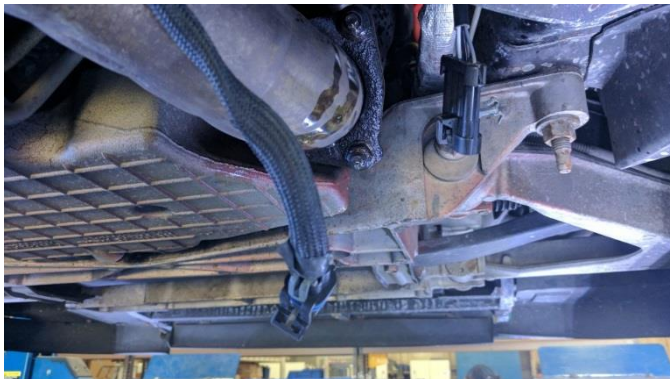
14. Slip the belt off the tensioner pulley followed by the alternator pulley.



15. Remove the 4 bolts securing the alternator to the alternator bracket using a 15mm socket and ratchet. **Save bolts for reinstallation** (Install Steps 25 and 26).



16. Carefully rotate the alternator on top of the alternator bracket. Remove the single 15mm bolt securing the secondary alternator bracket to the head near the front cylinders. **Save bolts for reinstallation** (Install Steps 25 and 26).



17. Underneath the vehicle, disconnect the O2 sensors at the plugs.



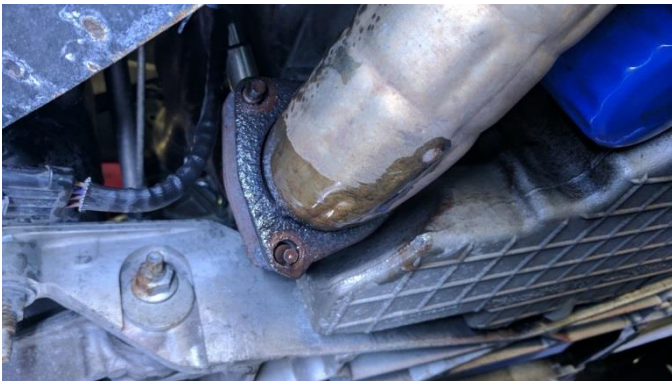
Continued on Next Page ...

REMOVAL INSTRUCTIONS

FACTORY MANIFOLD



- 18.** Remove the blue pin if necessary and then release the latch for the plug. Remove the wire clips from the heat shield securing the rear O2 sensor wires.



- 19.** Remove the six nuts securing the down tubes to the factory catalytic converters using a 15mm socket, extension, and ratchet. Save bolts if vehicle is needed to return to stock. **PRO TIP:** A swivel joint may make reaching the top nuts easier.

- 20.** Remove the hardware securing the crossover section to the axle pipes.
- If installing on a vehicle with factory rear mufflers and crossover section, use a 15mm socket and ratchet.
 - If installing on a vehicle with a CORSA X-Pipe installed, use a 5/16" Allen wrench and a 9/16" wrench.
- 21.** Remove the two nuts at the spring hanger after the X crossover using a 13mm socket, extension, and ratchet. **Save the nuts for reinstallation (Install Step 10).** Take care as the mufflers may shift in their hangers. Support the rear of the crossover section with a jack stand or other device.



- 22.** Remove the bolts securing the front of the mid-section to the bellhousing using a 15mm socket and ratchet. **Save bolts reinstallation (Install Step 8).**



- 23.** Remove the exhaust section from underneath the vehicle. Take care as the mid-section exhaust is large and awkward to handle.

Continued on Next Page . . .

REMOVAL INSTRUCTIONS

FACTORY MANIFOLD



24. Remove the rear O2 sensors from the exhaust pipe using an O2 sensor socket and ratchet or 22mm wrench. **Take care not to confuse which sensor went in which pipe.** The passenger side sensor connects to the main harness on the driver side of the vehicle. The driver side sensor connects to the harness on the passenger side.



25. Remove the two starter mounting bolts using a 15mm socket, 12" extension, and ratchet. **Save bolts for reinstallation (Install Step 4).** The starter should remain in place without hanging on the wires. **DO NOT** damage the wires. Removing the bolts will allow movement of the starter during removing and installing the passenger side header.



26. Remove the 6 bolts securing the passenger manifold to the head using a 13mm wrench or socket and ratchet. Save bolts if vehicle is needed to return to stock.



27. Remove the manifold by lifting it out of the vehicle. **Take care as the O2 sensor is still in place.**

28. Repeat **Steps 26** and **27** on the driver manifold.

29. At this time, remove the front O2 sensors from the factory manifolds using a 22mm wrench or O2 sensor socket and ratchet. Take care as the sensors are fragile and sensitive to contamination.



30. Driver Side: Remove the bolt securing a pair of ground wires to the engine block. **Save bolt for reinstallation (Install Step 7).**
PRO TIP: Removing this bolt allows more clearance when installing the header.

Step 30 concludes the removal of the factory exhaust manifolds. Removal pictures were taken using a vehicle equipped with a previously installed CORSA X-Pipe (Part # 14131)

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector
Part #: 16000, 16001, 16002, 16100, 16101, 16102

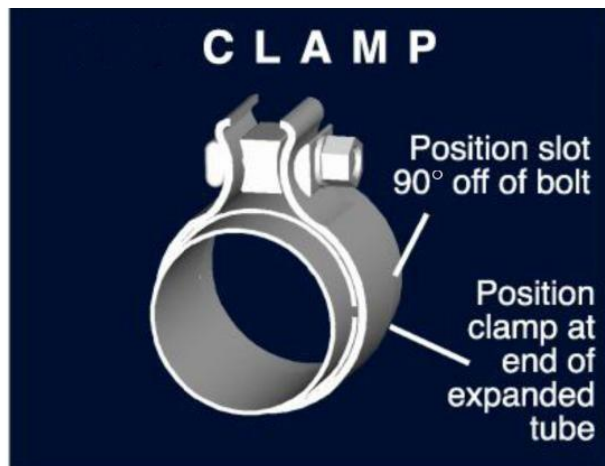


WARNING! DO NOT SKIP THIS STEP!

Apply the anti-seize lubricant (*supplied*) to the threads **ONLY** of all the clamps and flange bolts. Failure to follow this procedure can cause nuts to seize on clamps and potentially destroy threads.

After applying anti-seize lubricant, be sure to **thoroughly** clean your hands, as lubricant will tarnish stainless steel.

All 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 to your vehicle.



NOTE: Align all clamps so that the center of the clamp bolt is 90 degrees from the notch in the pipe.

WARNING: CORSA Performance Headers are intended for off-road use only. Products are not legal for sale or use in the state of California, or in states that adopt California Air Resources Board emission standards.

NOTE: This instruction sheet assumes that the **CORSA Performance** X-Pipe (CORSA Part Number: 14131) and **CORSA** Connection Pipes (CORSA Part Number: 16019) are installed in conjunction with the CORSA long tube headers. May fit to other systems with modifications.

CORSA's warranty does not extend to damage or defect in the finish of a product or to any product that in the opinion of CORSA Performance®, has been misused, damaged by accident or negligence, **altered** or **modified** in any way, faulty installation or installed contrary to CORSA Performance® installation instructions, or repaired by an unauthorized service facility. Full warranty available on www.corsaperformance.com

NOTE: Individual vehicle variations and stock header differences can impact the order of installation. The directions provided will assist in removal and CORSA installation. Please contact a CORSA representative with any concerns.

1997-2004 CHEVROLET CORVETTE C5

Long Tube Headers: 1.75" Primary, 3.0" Collector

Part #: 16000, 16001, 16002, 16100, 16101, 16102

CORSA[®]
PERFORMANCE

NOTE: This system was designed to connect to CORSA X-Pipe PN: 14131, CORSA Connection Pipes PN: 16019, and CORSA Cat-Back PNs: 14962, 14114, 14961CB, 14132CB, 14111CB, and 14139CB. Tip color does not affect fitment. The need for additional modification and fabrication may arise. The vehicle owner assumes all responsibility for subsequent fitment issues.

CAUTION: Never work on a hot exhaust system. Allow the vehicle to cool for at least an hour and a half. Always wear eye protection when working under a vehicle. It is recommended to use cotton gloves in order to protect the stainless steel surface of the header from permanent grease and oil stains.

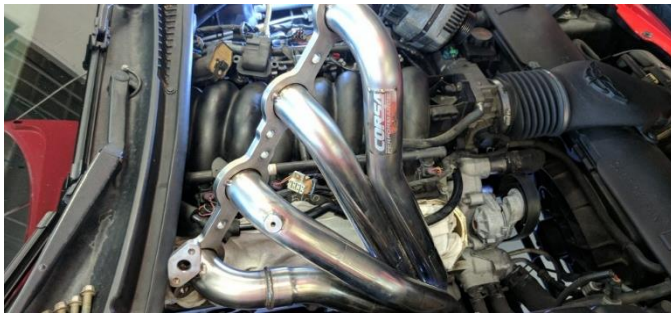
NOTE: Lift the vehicle using a hydraulic lift or jack and jack stands. A lift is strongly recommended because three (3) feet or more is needed to install the driver side header from the underside.

INSTALLATION INSTRUCTIONS

CORSA EXHAUST



1. Remove all exhaust system components from the shipping boxes, including clamps and hardware
2. Begin by installing the front O2 sensor extension wires. **PRO TIP:** Route them around the bellhousing at the rear of the engine. This will keep them tucked away from the headers once installed.
3. Lower the passenger side header into the vehicle. The header needs to be wound and twisted through the cavity. **PRO TIP:** Have a second person assist underneath the vehicle. Starter must be moved out of its hole in the bell housing to allow for the tab on the header collector to pass through the cavity



4. Once the header is situated in the cavity, reinstall the two mounting bolts from **Removal Step 25** into the starter. This step could be done later, but will be more difficult.
5. Study the included exhaust manifold gaskets. The labels in the center show which side faces outward and which is up. They must be installed according to the labels or the spark plug holes will be blocked and the bolt holes will not align with the gasket. Prepare 6 of the header bolts with a small amount of anti-seize.
6. Lift the header up and align it with the gasket and the head of the engine. **(This step is much easier with the help of another person).** Start tightening the header bolts by hand to avoid cross-threading. Use a 12mm wrench or socket and ratchet. **WARNING: Do not fully tighten the bolts at this time.** (Leaving some play in the header will make the following steps easier).



7. The driver side header is installed from the bottom. Repeat **Steps 5** and **6** on the driver side. Before tightening the header bolts, reinstall the small bolt and ground wires on the side of the engine block. (Reference **Removal Step 30**). **Tighten headers bolts but leave them slightly loose like in Step 6 to make the following steps easier.**

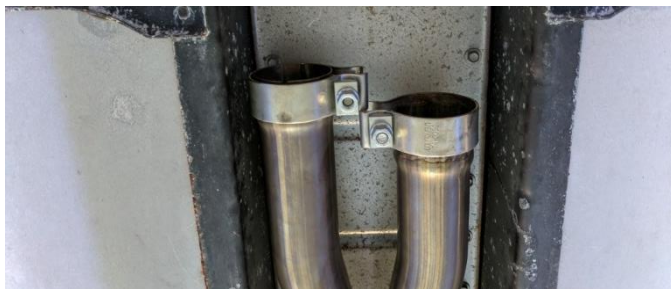
Continued on Next Page ...

INSTALLATION INSTRUCTIONS

CORSA EXHAUST



- 8.** With both headers loosely installed (**Steps 6 and 7**), loosely install the cross brace bracket between the tabs on the headers and the bellhousing. Use the bolts saved from **Removal Step 22** along with provided nuts and bolts.

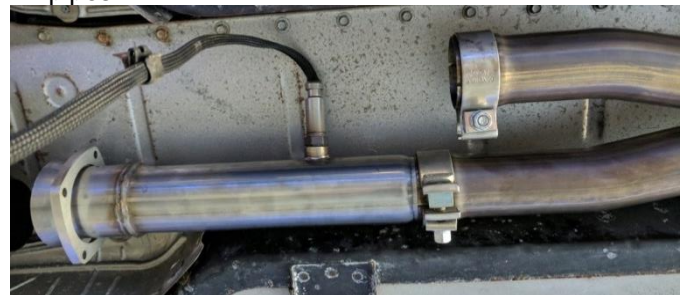


- 11.** Install the rear O2 sensors into the adapter pipes. Install the shorter pipe on the passenger side and the longer pipe on the driver side of the vehicle. **NOTE:** If no O2 sensors present, use O2 sensor port block off bolts supplied in Adapter Kit 16019.
- 12.** Install the 2.5" clamps onto the expanded ends of the CORSA X-Pipe. Align clamps so the nut is toward the ground and the bolts face inward as shown.



- 14.** Repeat **Step 13** for the longer (driver side) pipe. Loop its sensor wire up and over the passenger side pipe while routing the passenger side wire over the driver side pipe.

- 9.** Reinstall the front O2 sensors. Take care while handling, they are fragile and sensitive to contamination. Tighten using an O2 sensor socket and ratchet or 22mm (7/8") wrench. Plug them into the extensions installed during **Step 2**. Use the supplied zip ties to secure the wires up and out of the way of the headers to prevent melting.
- 10.** Install the CORSA X-Pipe (PN 14131). Align the bracket with the spring hanger. Use the 2 nuts saved from **Removal Step 21** to secure the threaded studs to the bracket. Snug the nuts using a 13mm socket, extension, and ratchet. Prepare the socket head bolts with a small amount of anti-seize. Install supplied gasket between the X-Pipe flange and muffler flange. Use socket head bolts and nuts to secure mufflers to the outlet of the X-Pipe. Gently push the X-Pipe and muffler assembly as rearward in the vehicle as possible allowing more clearance to install the adapter pipes.



- 13.** Insert the shorter (passenger side) adapter pipe into the expanded end of the X-Pipe. Rotate the pipe so the O2 sensor is pointing slightly upward and inboard. **DO NOT hit the underside of the vehicle.**



- 15.** Install the donut gaskets onto the outlet side of the headers.

Continued on Next Page ...

INSTALLATION INSTRUCTIONS

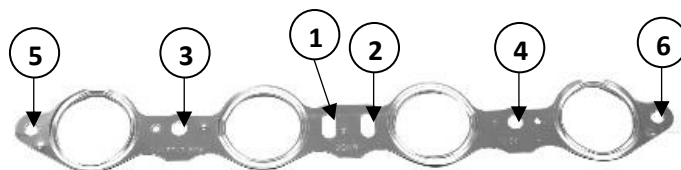
CORSA EXHAUST

- 16.** Push the X-Pipe and muffler section of the exhaust forward in the vehicle to mate it with the gaskets. **(This step is much easier with the help of another person).**

WARNING: Use caution when aligning the flared adapter pipes to the gasket. (Gasket material is soft and easily damaged if the pipes are not aligned properly).

PRO TIP: Use two pry bars or similar devices to slightly spread the adapter pipes or headers to ensure they align properly.

With the flared adapters mated to the gaskets, install the bolts in the flanges with the bolt head forward in the vehicle. Secure the bolts with the supplied nuts. The nuts have a locking thread design and are not able to be finger tightened. Tighten the nuts only enough to snug the flared adapter onto the gasket but still allow some movement.



- 17.** Clip the rear O2 sensor wires (if present) to the heat shield. **REMEMBER:** The sensor in the passenger side pipe is plugged in on the driver side of the engine and the driver side sensor is plugged in on the passenger side of the engine. Ensure the wires are not contacting the headers or any other exhaust components and secure them out of the way with zip ties as necessary.
- 18.** Begin the final alignment process by tightening the header bolts on both sides of the engine. It is recommended to tighten all bolts to **7.5ft-lb** (90in-lb) first using a torque wrench and socket. Start tightening the bolts in the middle of the flange and work outwards to the front and rear. **(See Above Example)**
- 19.** Go back to the middle of the flange; this time, tightening the bolts to **15ft-lb** (180in-lb) and work outwards to the front and rear. Tighten the bolts on the cross brace and header tabs after the header bolts. Make sure the headers are roughly even and level within the car. **NOTE:** The header bolts should be checked and re-torqued if necessary after the first heat cycle and periodically after that.
- 20. The help of a second person is required for this step.** While one person aligns and holds the exhaust tips in place, begin tightening all connections. The spherical flange joint bolts (four bolts ea.) should be tightened to **15ft-lb**. The 2.5" exhaust clamps should be tightened to **45ft-lb**. Perform one final check for exhaust system clearances to any heat shields or chassis components. **Ensure no wires are contacting the headers.**
- 21. Passenger Side:** Reinstall the valve cover and secure with the bolts removed during **Removal Step 7** using a 10mm socket and ratchet or wrench. Connect the grey harness connector. Connect the PCV hoses to the valve cover. **PRO TIP:** If needed, properly gap and install new spark plugs at this time. Reinstall the plug wires, ensuring to rotate and position them so they do not contact the header tubes.
- 22. Driver Side:** Reinstall the coil packs using a 10mm wrench and 8 bolts saved from **Removal Step 11**. Make sure to position the spiked and flat head bolts correctly. **PRO TIP:** If needed, properly gap and install new spark plugs at this time. Reinstall the plug wires, ensuring to rotate and position them so they do not contact the header tubes.

Continued on Next Page ...

INSTALLATION INSTRUCTIONS

CORSA EXHAUST



- 23.** Reinstall the oil dipstick tube on the passenger side. Use the bolt saved from **Removal Step 2** to secure it to the header or head.
'97-'00 Vehicles: Tube is bolted to the header.
'01-'04 Vehicles: Tube is bolted to the head..



- 24.** Insert a flange gasket between the small flange on the header and the secondary air injection flange. Using the bolts saved from **Removal Step 4** and a 10mm wrench, bolt the secondary air injection flange to the flange on the header. Remove oil filler cap and reinstall the plastic fuel rail cover. Reinstall oil cap.

- 25.** On the driver side, reinstall the secondary air injection flange check valve (if removed during **Removal Step 9**) into the rubber hose. Secure the rubber hose onto the valve barb using the saved black hose clamp. Using another small flange gasket and the bolts saved from **Removal Step 8**, bolt the flange to the header using a 10mm wrench. Reinstall the alternator bracket removed during **Removal Steps 15 and 16**. Only loosely install the bolt into the head to allow the bracket to move slightly to get all of the alternator bolts aligned.



- 26.** Reinstall the alternator using the bolts saved from **Removal Steps 15 and 16**. Once all four bolts are tightened on the alternator, tighten the bracket bolt securing it to the head. Finally, reinstall the serpentine belt. Ensure all ribs on the belt align with the grooves in the pulleys. Refer to the belt routing chart on the left fender to ensure proper routing.

- 27.** Check over the engine bay one last time. Ensure no wires are touching the exhaust. Check that the serpentine belt is installed properly, all spark plug boots are fully seated, and all hardware is properly tightened.

- 28.** Connect the negative battery cable.

NOTE: Immediately following the installation of your 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.