

## 1997-2004 Corvette Header Installation Instructions



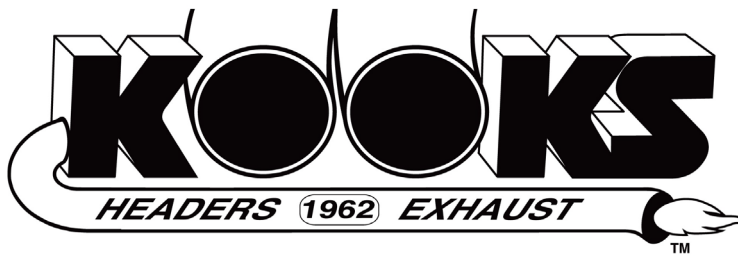
Do not attempt this installation if proper safety equipment isn't available to you.  
Seek the assistance of a professional installer.

Kooks Corvette headers install from beneath the vehicle.  
Raising and securing the vehicle is a must.

Read and understand all instructions before beginning.

To install this system the following tools are suggested:

- Vehicle Lift (Jack and 4 Jack Stands)
- Engine Cradle
- Ratchet Set ( $\frac{1}{4}$ " &  $\frac{3}{8}$ " Drive)
- Metric Socket Set ( $\frac{1}{4}$ " &  $\frac{3}{8}$ " Drive)
- Extensions ( $\frac{1}{4}$ " &  $\frac{3}{8}$ " Drive)
- Pry Bar Set
- $\frac{7}{8}$ " O<sup>2</sup> Socket ( $\frac{7}{8}$ " Wrench)
- Gasket Scraper
- Metric Wrench Set (Ratchet Wrenches)
- Standard Screwdriver Set
- Safety Glasses
- Paint Pen (Marker)
- Service Manual
- Thread Locker
- Anti-seize



## VEHICLE PREPARATION

**\*\*Raise and Support Vehicle (Refer to Owner's Manual for specified jacking points)\*\***

**\*Always disconnect the negative battery terminal before performing this type of work on any vehicle\*.**

### **STEP 1. Battery**

- Disconnect the negative and positive battery terminal.

### **STEP 2. Alternator**

- Remove serpentine belt.
- Remove the 2 bolts securing alternator to bracket.
- Lift from Bracket.

### **STEP 3. Coil Packs**

- Remove engine covers.
- Remove spark plug & wires.
- Remove Coil Packs. (complete with bracket)

### **STEP 4. Catted Pipe Removal**

- Remove the 4 bolts to the axle back.
- Remove the 6 nuts holding the cat pipe to the manifolds.
- Unplug all 4 oxygen sensors.
- Remove the rear hanger bracket and support the pipe.
- Remove the front hanger bracket and discard.
- Lower pipe and remove Oxygen Sensors.

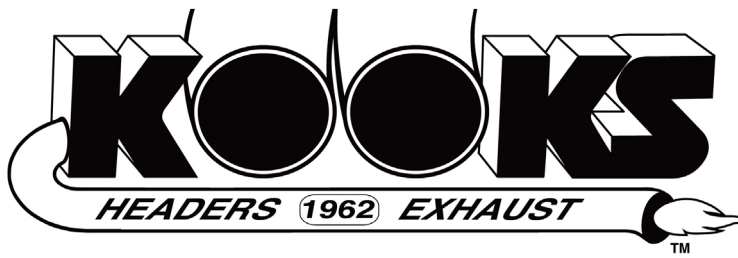
### **STEP 5. Exhaust Manifold Removal**

- Remove AIR tube bolts.
- Remove all the bolts holding the manifolds to head.
- Lift manifolds out of engine compartment.
- Remove Oxygen Sensors from manifolds.

## HEADER AND X-PIPE INSTALLATION

### **STEP 6. Header & X-Pipe Preparation**

- Install Oxygen Sensors in headers and X-Pipe.
- Put 3 inch clamps on rear of X section and slide mid pipes on.
- Clean cylinder head mating surface.



#### STEP 7. Header Installation

- Headers will go in from below the car.
- Driver's side header installation, be careful of clutch line.
- Passenger's side header installation, be careful of the power wires.
- Plug front Oxygen Sensors in as the headers are being positioned.
- Install bolts with gaskets to head **LEAVING HEADERS VERY LOOSE.**

#### STEP 8. X-Pipe Installation

- Put Torca clamps on header ball flange (bolts on the inside).
- Position X-Pipe on to headers making sure that there is a full circle seal. Snug the clamps, but still allow the pipe to be adjusted.
- Install hanger bolts on rear of X-Pipe.
- Install Oxygen Sensor harness behind heat shields, plug back in. Secure harness away from any header contact with tie wraps.
- Install new hardware and gaskets, for axle back (leaving loose until final adjustment).
- New exhaust should now be completely installed and loose in car.

#### STEP 9. Final Header and Exhaust Installation

- Tighten header bolts to head, working from center out. Torque to factory specs.
- Reinstall spark plugs, coil packs, and ignition wires.
- Reinstall alternator and serpentine belt.
- Fully tighten Torca clamps on ball and socket connection.
- Tighten hardware to axle back, getting flanges to align as close as possible.
- Position tips in rear bumper level, tighten clamps at rear of X to Mid-pipes.

#### STEP 10. Final Installation

- Reconnect battery.
- Start your Corvette, check for any leaks and verify wiring is away from any heat source.

**Thank you for your purchase, we appreciate your business.  
If additional assistance is needed, please contact Kooks Custom Headers  
Toll free at 1-866-586-KOOK or contact your local dealer.**