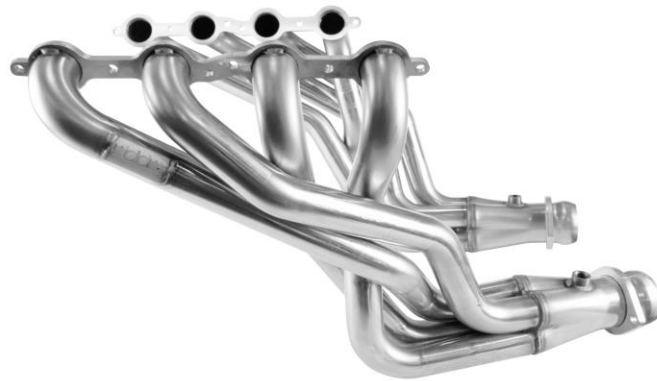


2009-2015 Cadillac CTS-V Header and Connection Pipe Installation Instructions



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

Kooks Cadillac CTS-V headers install from underneath the vehicle. Raising and securing the vehicle with jack stands is a must if a lift is not available.

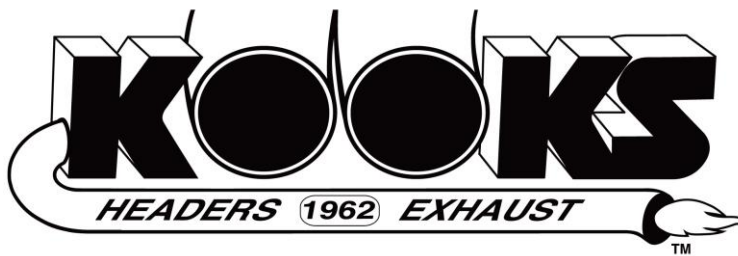
Read and understand all instructions before beginning.

To install this system the following tools are suggested:

- Vehicle Lift or Jack and 4 Jack Stands
- 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
- $\frac{7}{8}$ " O² Socket ($\frac{7}{8}$ " Wrench)
- Gasket Scraper
- Metric Wrench Set
- Standard Screwdriver Set
- Safety Glasses
- Paint Pen or Marker
- Vehicle Service Manual

Kooks Custom Headers – 141 Advantage Place Statesville, NC 28677

www.KooksHeaders.com



-Thread Locker
-WD-40 (Penetrating Oil)

-Anti-seize
-Zip Ties

STOCK MANIFOLD AND CATALYTIC CONVERTER REMOVAL PROCESS

It is a good idea to spray WD-40 on the rusted hardware before you start to help loosen them. While the lube is doing its job, you can start the install.

STEP 1. Battery (located in trunk)

- Disconnect the negative and positive battery terminal.

STEP 2. Strut Tower Brace

- Remove the strut tower brace (two 18mm bolts).

STEP 3. Engine Cover

- Carefully remove the plastic covers in the engine bay.

STEP 4. Ignition System

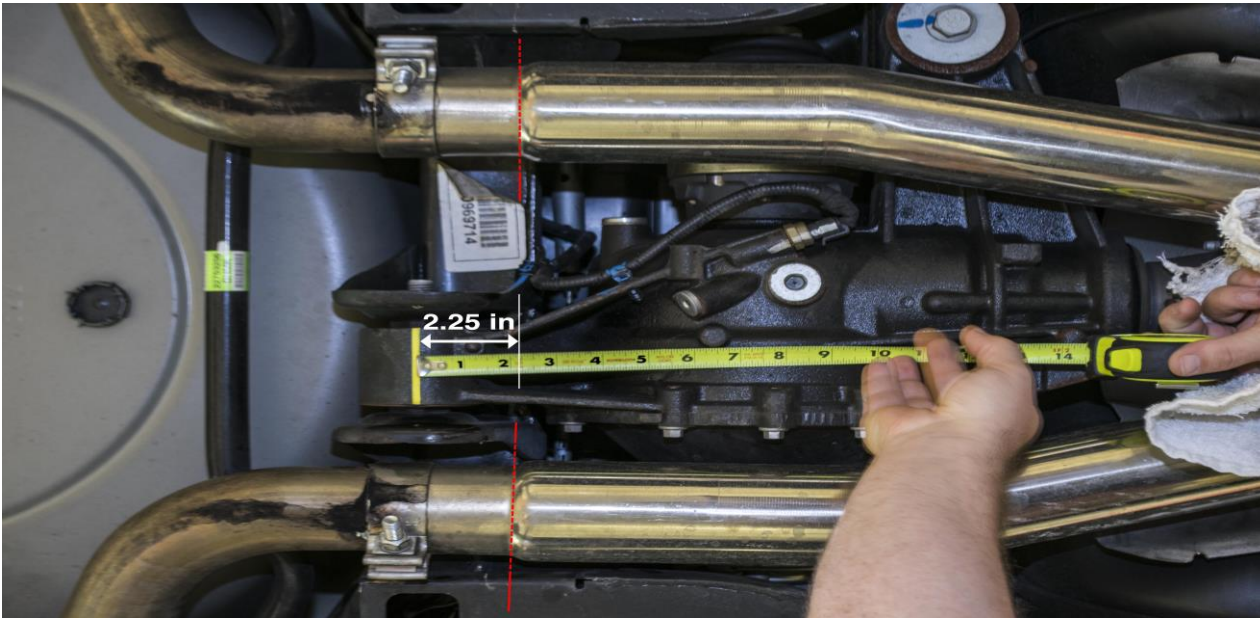
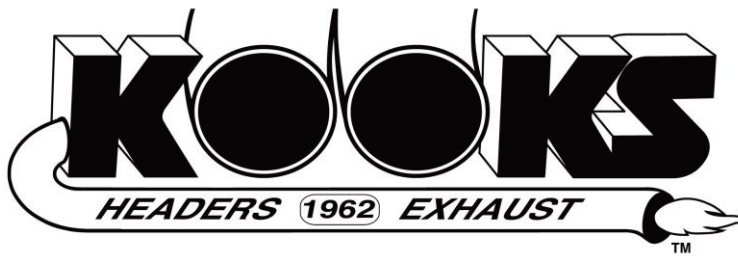
- Unplug and remove spark plug wires.
- Remove the spark plugs (5/8" spark plug socket).
- Remove coil packs (10mm socket).

THE REMAINING STEPS WILL BE PERFORMED UNDER THE CAR

If using the factory mufflers the system must be cut. If using Kooks axle back skip to step 6.

STEP 5. Stock Mufflers

- Using the picture below as a reference, cut the factory pipe 2 1/4" in front of the centerline of differential mount.



STEP 6. O2 Sensors

- Mark the location of the O2 sensors for proper reinstallation later.
- Remove the O2 sensors (the passenger side may be easier to remove if you disconnect the cat pipe first).

STEP 7. Factory Mid Pipes

- If not previously removed, loosen all clamps and bolts connect factory mid pipes.
- Remove factory mid pipes.

STEP 8. Factory Manifolds

- Loosen and carefully remove the factory manifolds. (bolts are easier to loosen and remove from the top)
- Carefully remove all gasket material and clean the surface of the cylinder head.

STEP 9. Steering Shaft

- Ensure that the Steering wheel is locked in place and does not move while shaft is disconnected.
- Mark the location of the steering shaft.
- Disconnect the steering shaft.

KOOKS HEADER AND CONNECTION PIPE INSTALLATION PROCESS

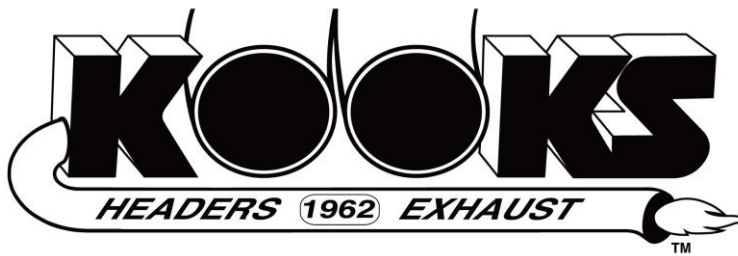
****All hardware should be tightened to factory specifications****

STEP 10. O2 Extensions

- Connect the front (12" extensions) and the rear (18" extensions) and let them hang out of the way.

STEP 11. Passenger Side Header

- Place gasket on the head.



- Slide header up into place.
- Attach header to head.

STEP 12. Driver Side Header

- Place gasket on the head.
- Slide header up into place.
- Attach header to head.

STEP 13. Steering Shaft

- Reconnect the steering shaft in the exact location that was previously marked.

STEP 14. O2 Sensors

- Reinstall front O2 sensors in collector and connect to the extension harness.

STEP 15. Kooks X-Pipe (will need to be installed loosely to allow adjustment)

- Install the X-Pipe from the front to the rear of the car.
- The rear of the X-Pipe will slip inside the axle back.

STEP 16. Exhaust Alignment

- Starting at the rear of the vehicle properly align the exhaust and tighten the clamps as you move forward.
- Ensure all clamps are clear of obstructions.

STEP 17. Inspection

- Start Engine and check for any Exhaust Leaks.
- Allow Vehicle to complete one heat cycle (Heat to temp and allow for cooling).
- Re-torque Header Bolts and Header Hardware.

**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.**