

2010-2015 Camaro SS / ZL1 / Z28 Header Installation Instructions

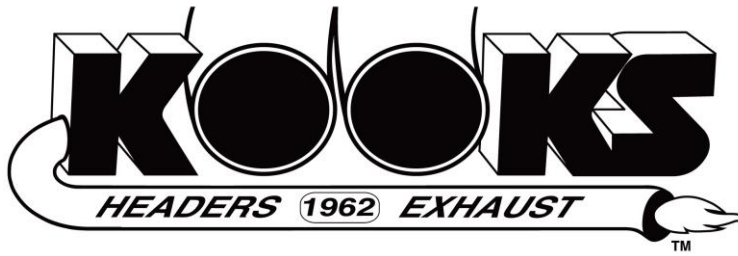


Do not attempt this installation if proper safety equipment isn't available to you.
Seek the assistance of a professional installer.

Read and understand all instructions before beginning.

To install this system the following tools are suggested:

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|---|---------------------------|
| -Vehicle Lift or Jack and 4 Jack Stands | -Standard Screwdriver Set |
| -Ratchet Set ($\frac{1}{4}$ " & $\frac{3}{8}$ " Drive) | -Safety Glasses |
| -Metric Socket Set ($\frac{1}{4}$ " & $\frac{3}{8}$ " Drive) | -Paint Pen or Marker |
| -Extensions ($\frac{1}{4}$ " & $\frac{3}{8}$ " Drive) | -Vehicle Service Manual |
| - Pry Bar Set | -Thread Locker |
| - $\frac{7}{8}$ " O2 Socket ($\frac{7}{8}$ " Wrench) | -WD-40 (Penetrating Oil) |
| -Gasket Scraper | -Anti-seize |
| -Metric Wrench Set | -Zip Ties |



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

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

- Disconnect the negative and positive battery terminal.

STEP 2. Spark Plugs and Spark Plug Wires

- Remove the engine cover, if so equipped.
- Disconnect spark plug wires.
- Remove spark plugs.

STEP 3. O2 Sensors

- Note and mark the position of each O2 sensor.
- Disconnect all O2 sensors from wiring harness.
- Remove O2 sensors ($\frac{7}{8}$ " wrench or O2 socket).

STEP 4. Dip Stick Tube

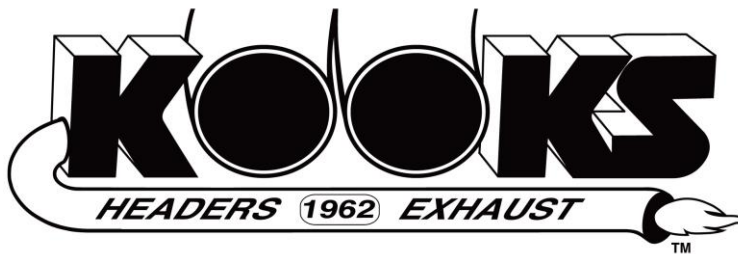
- Note the routing and orientation of the dip stick tube before removal.
- Remove dip stick tube.

STEP 5. Factory Catalytic Convertors

- Unbolt Factory Clamps connecting convertors to cat back system
- Slide pipes apart and separate them

STEP 6. Exhaust Manifolds

- Remove factory exhaust manifold heat shields.
- Remove factory exhaust manifolds.



KOOKS HEADER AND CONNECTION PIPE INSTALLATION PROCESS

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

STEP 1. Cleaning.

- Before installing your new Kooks Headers, make sure all gasket surfaces are clean and oil free.

STEP 2. Kooks Headers (Drivers Side and Passenger Side)

- Install headers into engine compartment, from the top or bottom.
- Align supplied gasket and start at least two of the header bolts.
- Align header and start remaining header bolts.
- Tighten headers to factory exhaust manifold torque specs using factory torque spec sequence.

STEP 3. Starter Power Wire

- Check for clearance around starter power wire. If needed follow below steps.
- Unclip wire in connector from factory frame location.
- Reinstall wire using zip ties, routing it for maximum clearance around the header

STEP 4. Dip Stick Tube

- Reinstall dip stick tube.

STEP 2. Steering Shaft

- Remove steering shaft rubber boot cover if necessary for header clearance.

STEP 5. Kooks Connection Pipes

- Loosely install connection pipes on vehicle using supplied hardware.
- Align system for maximum clearance.
- Tighten system from rear to front of the vehicle.

STEP 6. O2 Sensors

- Apply anti seize to the threads of all O2 sensors.
- Install O2 sensors noting their original location.
- Install supplied O2 extensions on front O2 sensors.



STEP 7. Spark Plugs and Spark Plug Wires

- Reinstall spark plugs.
- Reinstall spark plug wires
- For 2" Headers we do recommend using wires with 45° or 90° boots for clearance. We also recommend using heat sleeves for added protection.
- Reinstall the engine cover, if so equipped

STEP 8. Battery

- Ensure all above steps have been completed.
- Reconnect the positive then the negative battery terminal.

STEP 9. 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.