

14+ GM Truck/15+ GM SUV Header & Connection Installation Instructions

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

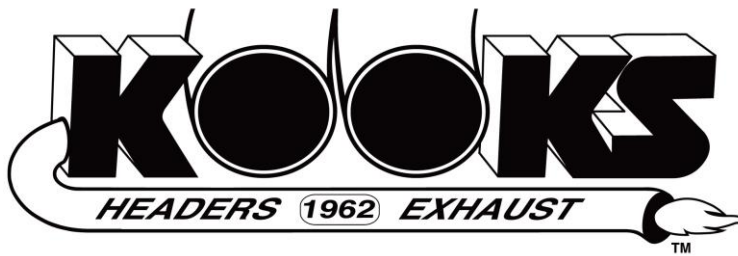


Driver Side Header installs from Top
Passenger Side Header installs from Bottom

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
- Thread Locker
- WD-40 (Penetrating Oil)
- Anti-seize
- 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 any 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, then the positive battery terminal.

STEP 2. Spark Plugs and Spark Plug Wires

- Remove the engine cover.
- 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. Factory Y-Pipe

- Support transmission.
- Remove transmission cross member.
- Remove factory y-pipe.
- Re-install transmission cross member.

STEP 5. Front Drive Shaft (If Equipped)

- Disconnect u-joint at front differential.
- This may only be necessary on earlier trucks.

STEP 6. Dip Stick Tube

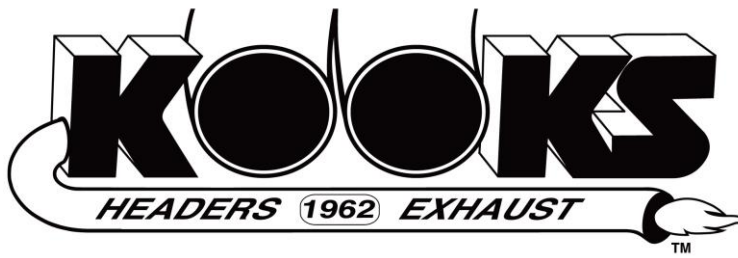
- Note the routing and orientation of the dip stick tube before removal.
- Remove dip stick tube.

STEP 7. Steering Shaft

- Remove bolt and separate.

STEP 8. 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 Header (Drivers Side and Passenger Side)

- Install headers into engine compartment, from the top or bottom (See notes).
- 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

- Reinstall steering shaft.

STEP 5. Front Drive Shaft (If Equipped)

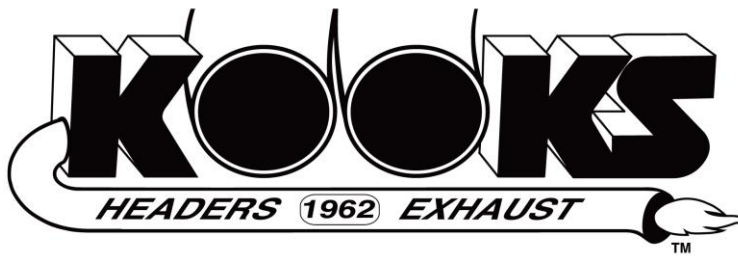
- Reconnect u-joint at front differential.

STEP 6. Kooks Y-Pipe

- Loosely assemble y-pipe on vehicle (supporting with stands) using supplied hardware.
- Align system for maximum clearance.
- Tighten system from front to rear of the vehicle.

STEP 7. O² Sensors

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



STEP 8. Spark Plugs and Spark Plug Wires

- Reinstall spark plugs.
- Reinstall spark plug wires.

STEP 9. Battery

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

STEP 10. 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.