

2009-2018 Dodge Ram 1500 Header Installation Instructions

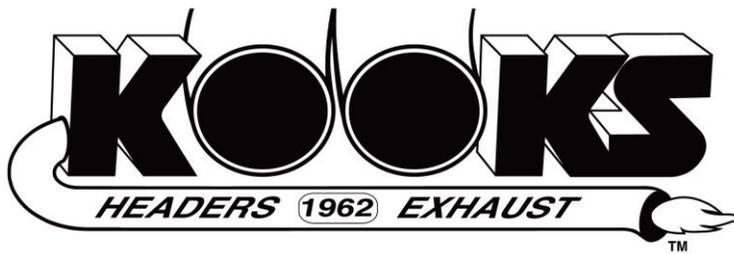


Do not attempt this installation if proper safety equipment isn't available to you.
Seek the assistance of a professional installer.

Read and understand all instructions before beginning.

To install this system the following tools are suggested:

- 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 the rusted hardware before you start to help loosen them. While the lube is doing its job, you can start the install.

Top Side of the Truck

STEP 1. Battery

- Disconnect the negative and positive battery terminal.

STEP 2. Air Cleaner Assembly

- Remove the entire air cleaner assembly.

STEP 3. Exhaust Manifolds

- Remove all accessible exhaust manifold bolts.

Underneath Truck

STEP 4. Factory Muffler

- Loosen clamp on front side of muffler.

STEP 5. Transmission

- Support motor and transmission with jack.
- Remove transmission cross member.

STEP 6. Dip Stick Tube

- Remove left side motor mount to access lower dip stick bolt.
- Remove lower dip stick bolt.

STEP 7. O2 Sensors

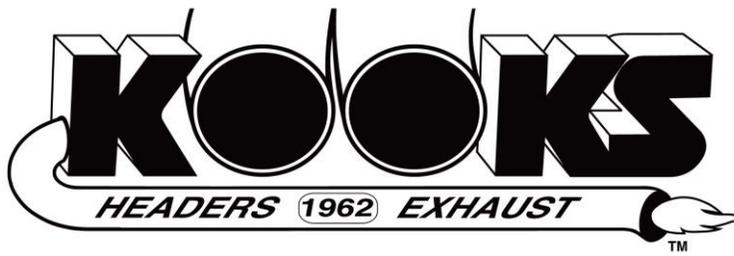
- Note the position of each O2 sensor.
- Disconnect all four O2 sensors from wiring harness.
- Remove all four O2 sensors (7/8" wrench or O2 socket).

STEP 8. Exhaust Manifolds

- Remove the remaining exhaust manifold bolts.
- Remove the exhaust manifold gasket.
- Slide the manifolds & y-pipe forward to remove pipe from muffler.
- Slide the manifolds & y-pipe back and down to remove from underneath the truck.

STEP 9. Transmission Cross member

- Re install transmission cross member.



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 Long Tube Headers (Right Side)

- Install gasket and all lower header bolts.
- Install header on lower bolts and start top side bolts.
- Tighten bolts in factory order and to factory torque specifications.

STEP 3. Kooks Long Tube Headers (Left Side)

- Install gasket and all lower header bolts.
- Install header and dipstick tube in place as one unit.
- Install header on lower bolts and start top side bolts.
- Tighten bolts in factory order and to factory torque specifications.

STEP 4. Dip Stick Tube

- Re install dip stick tube bolts.
- Re install left side motor mount.
- Remove jack supporting motor and transmission.

STEP 5. O2 Sensors

- Apply anti-seize to the threads of all O2 sensors.
- Install O2 sensors in the original locations.
- Install O2 sensor extensions on the rear sensors.

STEP 6. Air Cleaner Assembly

- Re install the air cleaner assembly.

STEP 7. Battery

- Reconnect the positive then negative battery terminal.

STEP 8. 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.**