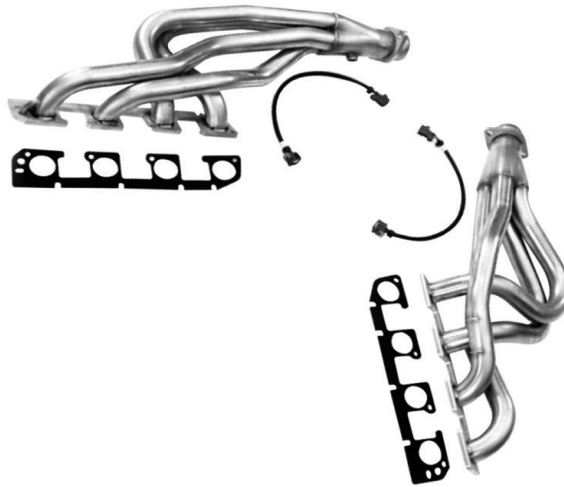




2004-2008 Dodge Ram 1500 Header Installation Instructions



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

The use of a 2 or 4 post lift is recommended.

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
- PB Blaster (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 penetrating oil on the rusted hardware before you start to help loosen them. While the lube is doing its job, you can start the installation.

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

- Note the location where dipstick mounts to the manifold. Keep this bolt, you will reuse this bolt with the 5.7 HEMI SPACER to reattach your dipstick.
- Remove all accessible exhaust manifold bolts.

STEP 4. Factory Muffler

- Loosen clamp at the end of the OEM y-pipe.

STEP 5. Transmission

- Lift and support engine and transmission with a jack and stands.
- Remove transmission crossmember.

STEP 6. Dip Stick Tube

- Remove driver side motor mount to access lower dipstick bolt.
- Remove lower dipstick 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 fender liners to easily access manifold bolts.
- Unbolt and move the steering shaft out of your way.
- Remove the 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 Crossmember

- Re-install transmission crossmember.



KOOKS HEADER AND CONNECTION PIPE INSTALLATION PROCESS

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

KOOKS HEADERS AND Y-PIPE INSTALLATION:

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 (Passenger 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.
- Install O2 sensors with anti-seize.

STEP 3. Kooks Long Tube Headers (Driver 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.
- Install O2 sensors with anti-seize.

STEP 4. Dip Stick Tube

- Reinstall dipstick tube bolts using the supplied spacer, OEM nut & bolt.
- Reinstall driver side engine mount.
- Lower engine and trans back onto their mounts and torque to OEM spec.

STEP 5. Y Kooks Y-pipe

- Loosely bolt the 2-bolt front connections to the header outlets so the connections can be manipulated.
- Install O2 sensors with anti-seize.
- Attach the Y section to the front connections with the supplied band clamps. *Band clamps should sit flush with inlet of the female side of the slip connection.*
- Slip the end of the y-pipe over the inlet of the cat-back.
- Torque band clamps to 40-45 ft-lbs. once alignment is achieved, then tighten the 2-bolt connections.

STEP 6. O2 Sensors

- Plug in all O2 sensors using the supplied extensions on the rear sensors.

STEP 7. Air Cleaner Assembly

- Reinstall the air cleaner assembly.

STEP 8. Battery

- Reconnect the positive and negative battery terminal.

STEP 9. Inspection

- Fully heat cycle the vehicle and check for any exhaust leaks, then torque.



**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.**