



Installation Instructions Kooks 2 Valve & 4 Valve Mustang 1996-2004

Thank you for your purchase, we appreciate your business

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

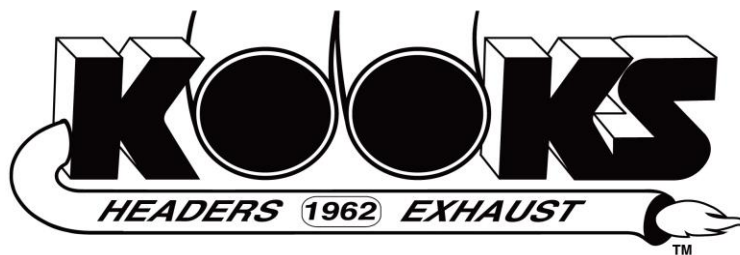
- Kooks 2 valve & 4 valve headers install from underneath the vehicle. Raising and securing the vehicle with jack stands is a must if a lift is not available. To install this system, you will need only the general assortment of hand tools. But you will also want to have on hand the following, four jack stands, one hydraulic jack, a block of wood, a gasket scraper, anti-seize, WD-40, also surgical gloves, and safety glasses.
- This is a good time to spray the WD-40 to help loosen the connections and fasteners. While the lube is doing its job, we can start the installation.
- Although it is **NOT REQUIRED**, the removal of the factory K-Member is **RECOMMENDED** to ease the installation process.

#1—Lets start by disconnecting the battery and removing the air filter assembly. Now jack up the vehicle and support with jack stands.

#2—Mark the location of and remove the oxygen sensors so that they can be reinstalled in the same location later. Now install the two oxygen sensor extension cables from the **Kooks** installation kit onto the front sensors.

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#3—From under the vehicle, remove the starter, but don't unwire it, just let it hang. Next remove the connecting pipes from the manifolds. Now you can take the nuts off the manifold studs and remove both the manifolds and the studs that held the manifolds on.

[Note: You may find it easier to access the manifold hardware by loosening the 21mm nut from the motor mount on both sides.]

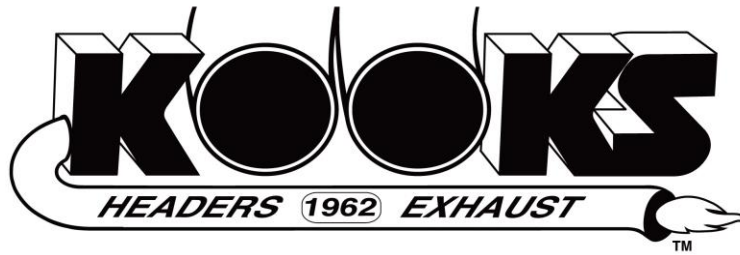
#4—With the motor mount nut loose, place a block of wood under the front of the oil pan and raise the motor. Next remove the 13mm nuts from the motor mounts and remove the mounts. You are now ready to install the passenger side header pipes. Start by sending the single pipe [**The one marked #5**] up and as far forward as you can. Now install the triple cluster of pipes up and into place. [**pipes marked 6/7/and 8**] Replace the motor mount, reinstall the starter, and slide the #5 pipe into the #6,7, &8 pipe cluster. Install the gasket and the header bolts from the header kit and tighten all the fasteners. Also attach the #5 pipe to the rest of the assembly using the supplied ¼ in fastener in the kit.

#5—Next is the drivers side assembly. Before installing this header, you need to remove the steering shaft from the vehicle.

Here's how, mark the shaft at the rag joint so that you replace it in the same rotation. Remove the 13mm bolt from the bottom of the shaft at the rag joint. Now inside the vehicle, under the steering column, remove the 10mm bolt from the top of the steering shaft, where it attaches to the steering column assembly. The shaft is telescopic, so one section slides inside the other. Push them together and remove the shaft from under the vehicle.

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#6—Remove the #1 pipe from the driver’s side header assembly, Remove the dip stick and tube. Now place the single tube up and onto the motor, and then place the header assembly, motor mount, and dip stick tube up and into place as you work them into their locations together. This may take a little maneuvering, but it will go.

#7—Put only the bottom bolts into the cylinder head, but only turn them in about one quarter of the way. Drop the complete header assembly down onto the bolts, the header flange is slotted on the bottom. Then install the remaining bolts on the top row and tighten them all. Don’t forget the ¼ bolt that goes into the tab on the #1 tube to fasten it to the remaining tubes.

#8—Tighten the motor mount securely to the block and check all the fasteners as well as the squaring and centering of all your installation work. Lower the motor and secure the dip stick bracket and the bottom motor mount nut.

#9—Reinstall the steering shaft by sliding it through the open space between the header tubes. Some light prying may be necessary to allow the steering knuckle through the tubes. Realign the shaft where you marked it, then tighten the 13mm and 10mm fasteners.

#10—Reinstall the oxygen sensors and extensions, lower the vehicle, replace the air filter assembly, and reconnect the battery.

You have just installed the finest exhaust headers you can buy, enjoy it.

**If additional assistance is needed, please contact
Kooks Custom Headers at 866 586 KOOKS. Or contact your dealer.
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