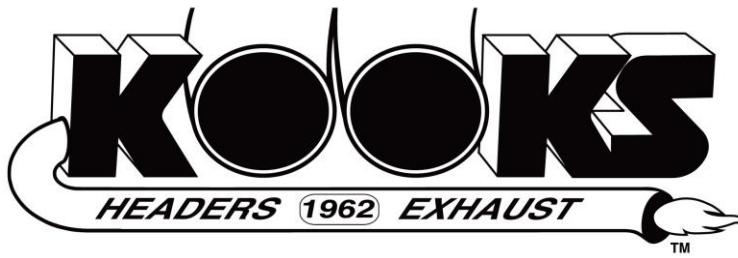
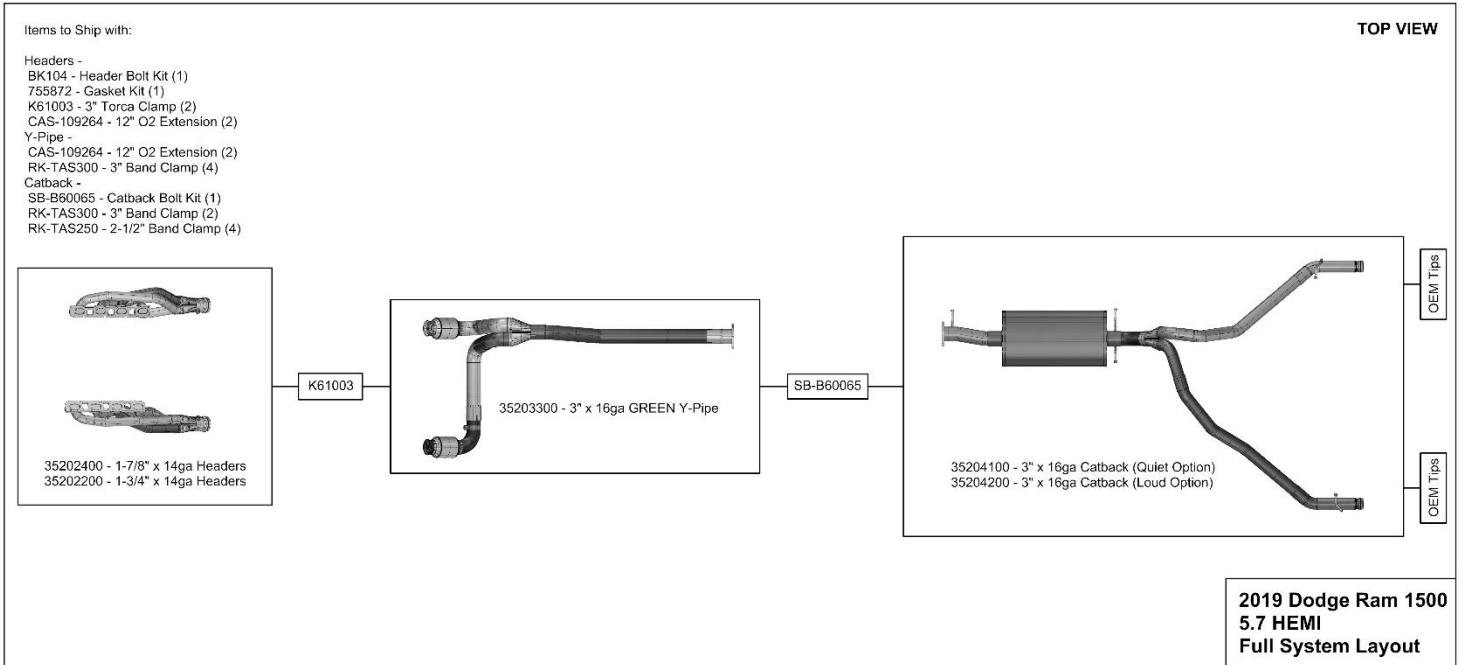


2019+ Dodge Ram 1500 Installation Instructions



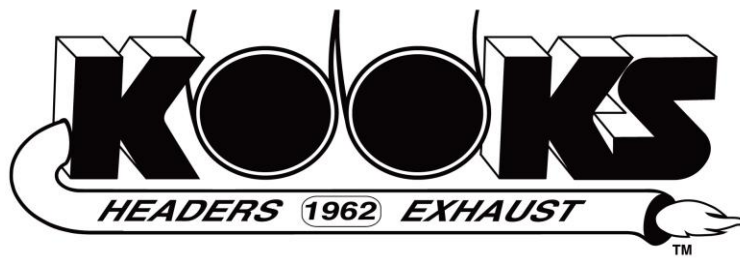


System Layout



Do not attempt this installation if proper safety equipment is not available to you – seek the assistance of a professional installer

Read and understand all instructions before beginning



Vehicle Preparation

** Raise and support vehicle (refer to owner's manual for specified lifting points)**

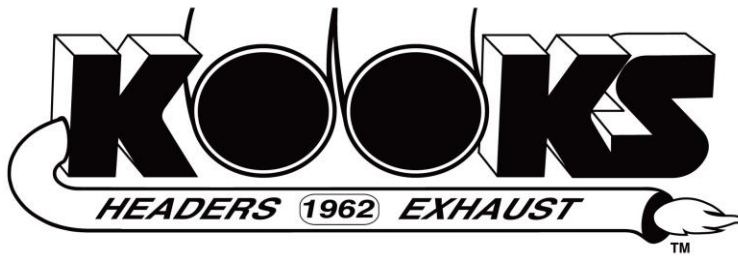
Always disconnect the battery before performing this type of work on any vehicle

OEM Exhaust Removal

- Lubricate all hangers and rubber isolators with penetrating oil
- Loosen and remove OEM tips (will be reused later)
- Remove PASSENGER side tail pipe from rubber isolator
- Loosen and remove PASSENGER side tail pipe at slip connection above axle
- Remove DRIVER side tail pipe from rubber isolator
- Remove MUFFLER section hanger from rubber isolator near two bolt flange
- Loosen and remove bolts connecting MUFFLER section (gasket will be reused later)
- Loosen and remove nuts retaining MUFFLER hanger
- Support MUFFLER section and remove MUFFLER hanger
- Remove MUFFLER section and DRIVER side tail pipe from vehicle
- Loosen and remove bolts connecting Y-Pipe extension (discard)

CATBACK ONLY STOP HERE

- Support TRANSMISSION/TRANSFER CASE with screw jack
- Loosen and remove bolts for SKID PLATE and TRANSMISSION MOUNT
- Carefully loosen and remove bolts for TRANSMISSION CROSSMEMBER
- Remove TRANSMISSION CROSSMEMBER
- Loosen and remove OXYGEN SENSORS **NOTE the location of each SENSOR**
- Loosen and remove bolts connecting Y-Pipe to MANIFOLD
- Lower vehicle and remove front wheels
- Remove front inner fender wells
- Loosen and remove nuts retaining HEAT SHIELDS
- Loosen and remove exhaust MANIFOLD bolts
- Remove exhaust MANIFOLD (discard)



KOOKS Headers and Exhaust Installation

- Clean all gasket sealing surfaces prior to installation of headers
- Install new HEADER GASKETS
- Install lower HEADER BOLTS into head on both passenger and driver side
- Install supplied OIL DIPSTICK SPACER on front, top bolt hole on driver side using OEM hardware
- Install HEADERS ****BOTH INSTALL FROM UNDERNEATH VEHICLE****
- Tighten HEADER BOLTS to OEM Torque Specs
- Reroute PASSENGER side wiring harness away from primaries
 - o Goal: reroute harness below primary tubes
 - o Cut/Remove OEM harness ties
 - o Reroute harness
 - o Secure in new location with zip ties
- Install UPSTREAM oxygen sensors in HEADER COLLECTORS (apply antiseize)
- Install DOWNSTREAM oxygen sensors in Y-PIPE (apply antiseize)
- Install Y-PIPE onto HEADERS using supplied clamps
- Install Y-PIPE EXTENSION onto Y-PIPE using supplied clamps
- Re-install TRANSMISSION CROSSMEMBER and SKID PLATE
- **IF INSTALLING OEM CATBACK**
 - o Re-install OEM MUFFLER SECTION and HANGER using OEM GASKET
 - o Re-install PASSENGER side tail pipe
 - o Re-install OEM Tips
- **IF INSTALLING KOOKS CATBACK**
 - o Install two bolt FLANGE SECTION onto Y-PIPE EXTENSION
 - o Install MUFFLER INLET tube (3" Tube w/ Flange and Hanger)
 - o Install MUFFLER SECTION and HANGER using OEM GASKET
 - o Install TAIL PIPES (driver side = LS / passenger side = RS)
 - o Install OEM TIPS
- Tighten all clamps to OEM torque specs
- Clean all fingerprints/oil/grease from exhaust prior to starting engine
- Start engine and check for exhaust leaks (tighten clamps as needed)
- Allow engine to complete one full heat cycle (heat to operating temp, cool to ambient temp)
- Re-torque all connections