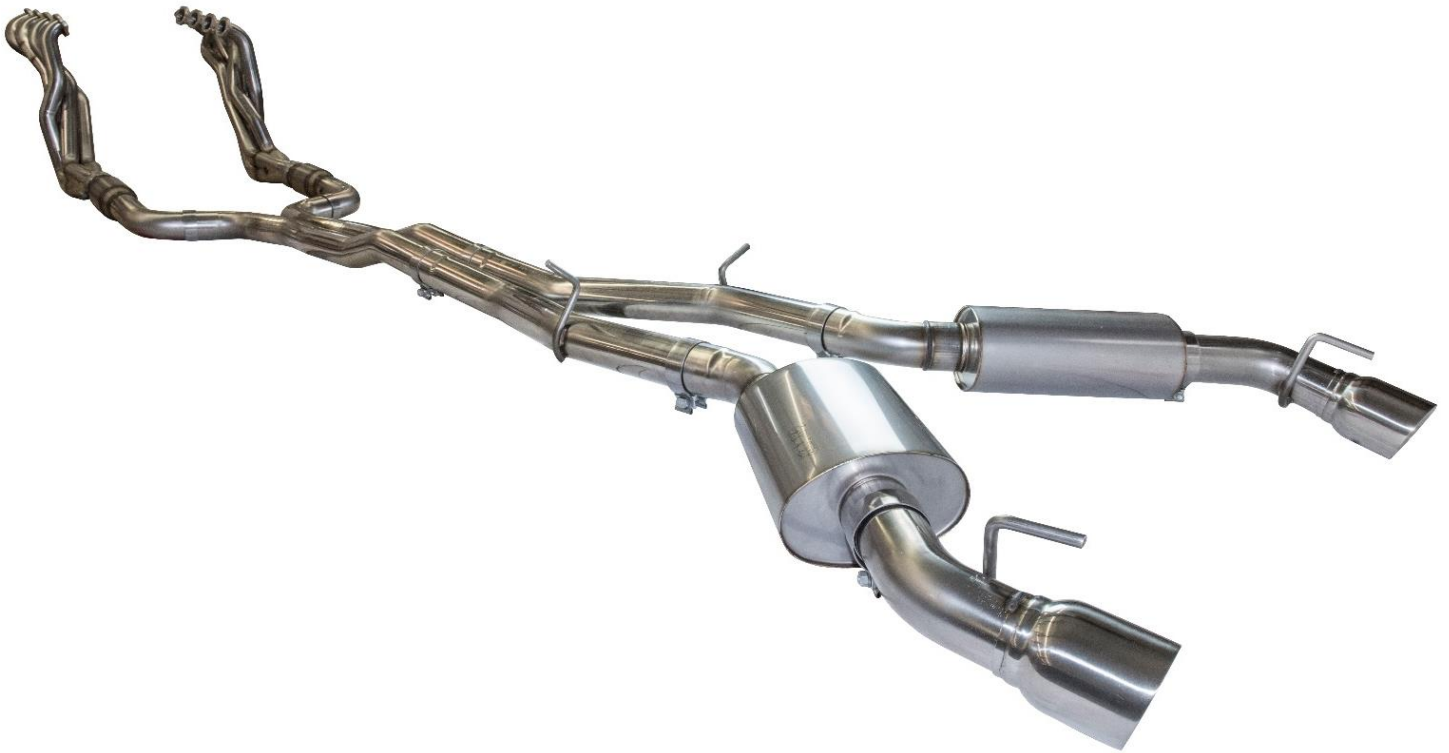


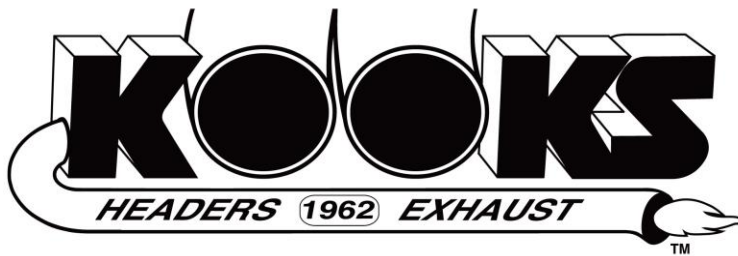
2016+ CHEVROLET CAMARO SS

Full Exhaust Installation Instructions

Dual Tip (shown)
Quad Tip



Thank you for your purchase, we appreciate your business.
If additional assistance is needed, please contact Kooks Headers and Exhaust



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.

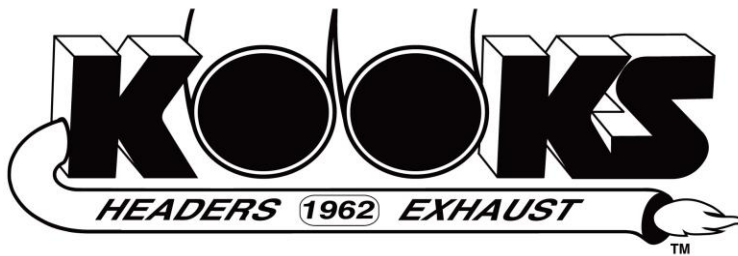
To install this system, the following tools are suggested:

- 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
- Exhaust Hanger Pliers (groove joint pliers)
- 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 battery before performing this type of work on any vehicle



FACTORY EXHAUST REMOVAL

****Note:** Kooks Full Exhaust for 2016+ Camaro SS requires installation of Kooks Headers**

STEP 1. Battery

- Disconnect the negative and positive battery terminals.

STEP 2. O2 Sensors

- Note and mark the position of each O2 sensor (left front, left rear, etc.).
- Disconnect the rear O2 sensors from wiring harness.
- Remove O2 sensors ($7/8$ " wrench or O2 socket).

STEP 3. Exhaust Valve Actuators

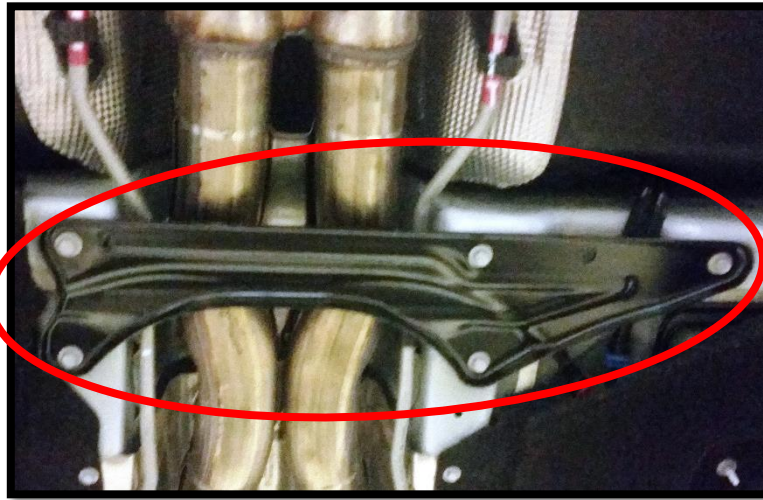
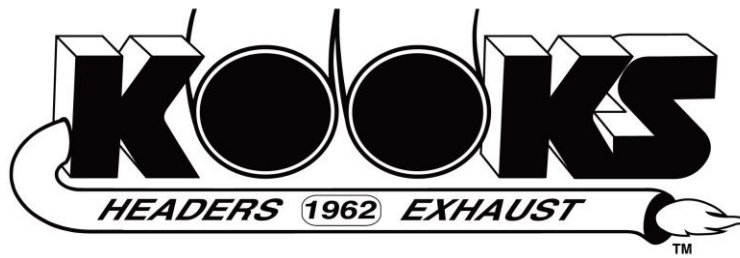
- Disconnect the weather-pack connector for each of the (4) exhaust valve actuators.
- Remove the rear (tip) actuators (pictured below); these will not be reconnected. Use zip-ties to secure the connectors away from obstructions.



- Remove the front two exhaust actuators from OEM exhaust; retain them and the OEM fasteners for reinstallation on the Kooks exhaust (Spring coupler will not be reused).

STEP 4. Exhaust System

- Refer to Kooks header installation instructions for removal of the OEM manifolds and catalytic converters.
- The entire OEM exhaust can be removed in (1) section from under the vehicle, starting with unbolting it between the front and rear catalytic converters. (If Kooks headers are already installed on the vehicle, this will already be done.)
- Remove the frame brace from the transmission tunnel to allow the exhaust to drop out.

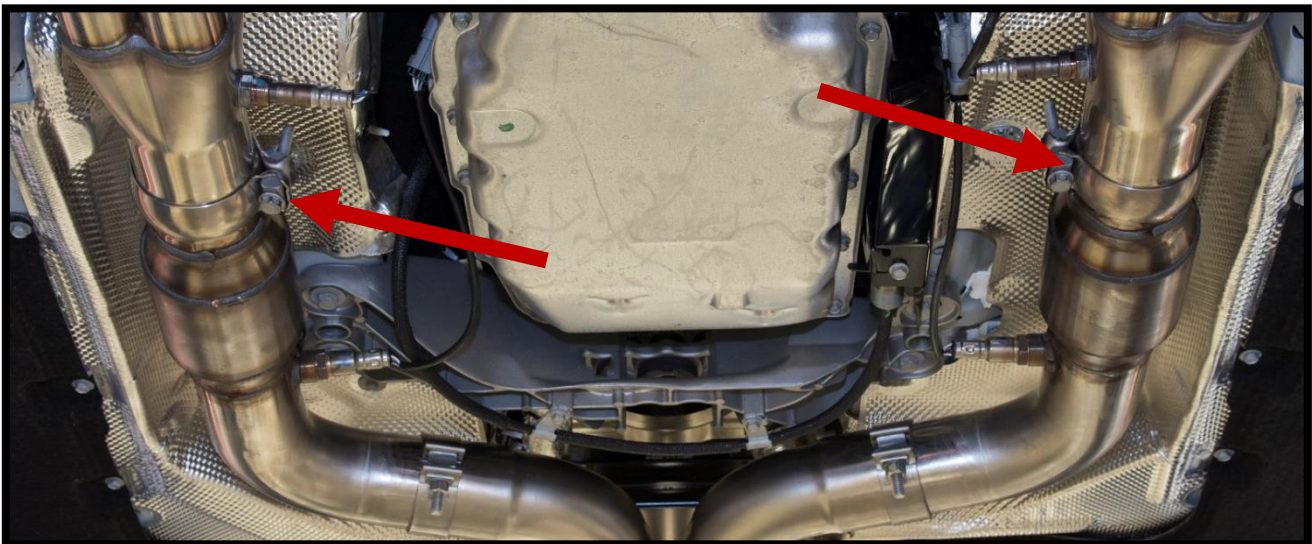


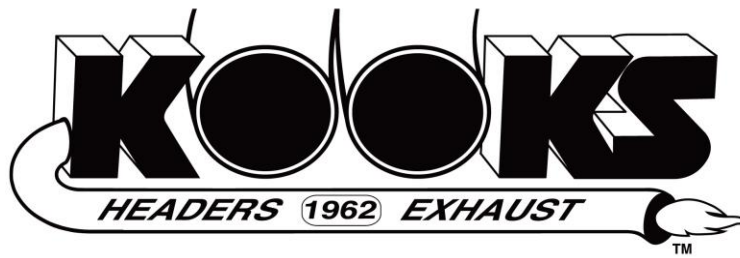
- Unbolt the tip hanger mounts & mark them; these will be reinstalled with Kooks exhaust.
- Supporting the front of the exhaust, remove the rubber isolators from the hangers using the pliers, moving from front to rear.
- Lower the exhaust away from the car.

KOOKS FULL EXHAUST INSTALLATION PROCESS

STEP 1. Full Exhaust

- Slip supplied 3" Swivel Seal clamps over header collectors with the bolt heads to the inside and facing down; do not tighten.
- Attach front connection pipes (pictured below, catted version shown) to collectors, then slip the Swivel Seal clamps over the joint and tighten enough to hold pipes in place but still allow movement.

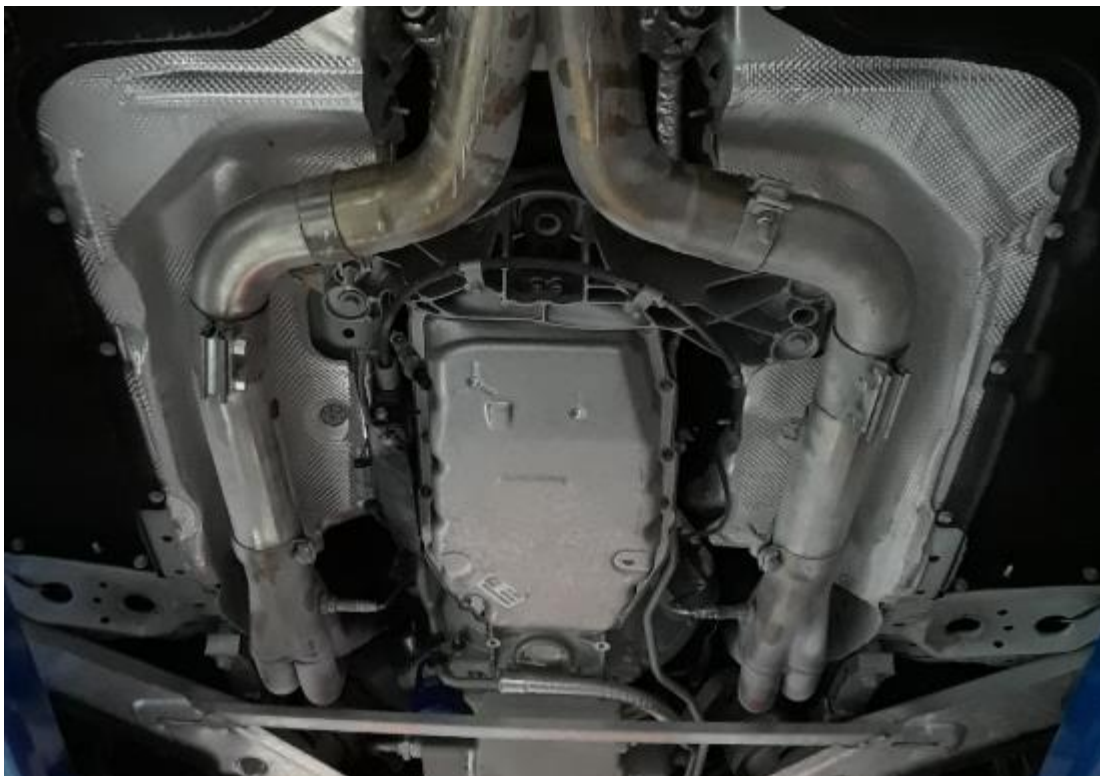
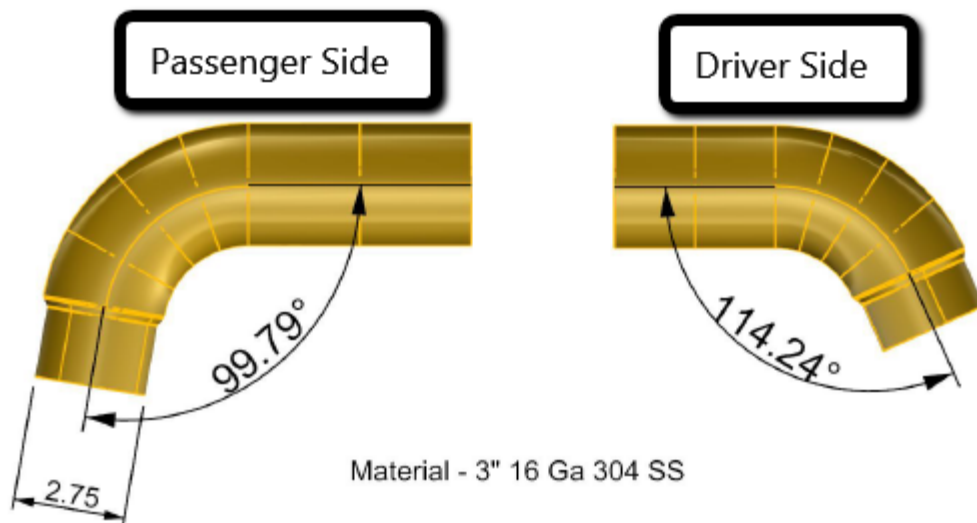




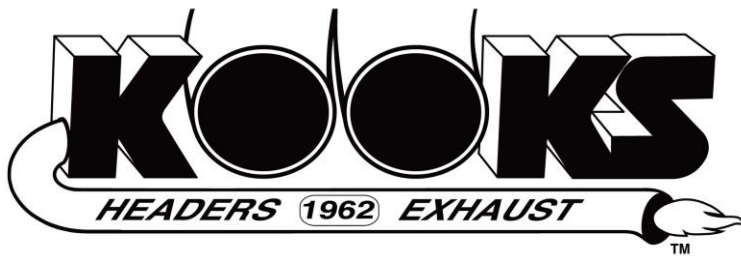
- If OEM front connections (P/N 22603300, or 22603200, or 22603100) were previously installed, bolt OEM to Kooks adapter (P/N 226041F0) to the outlet of OEM front connections with supplied 2.75" barrel clamp.

16 Camaro

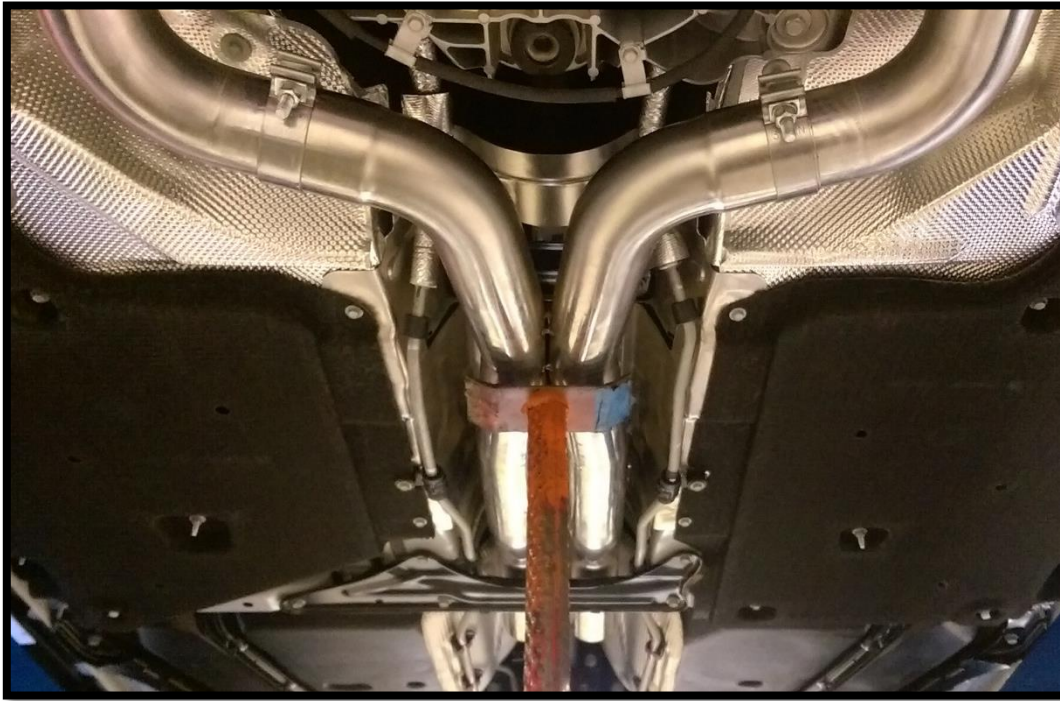
OEM Front Connection to Kooks X-pipe



OEM Front Connections to Kooks X-Pipe Installed

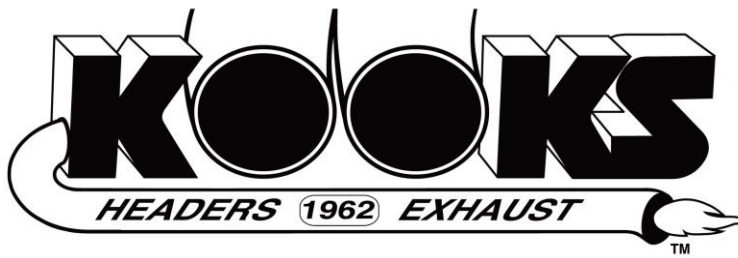


- Once the connections are in place, slide (2) of the supplied 3" band clamps onto the inlet of the x-pipe tubes, bolt heads forward and down.
- Raise the x-pipe assembly into position, and slip the connection pipes into the inlet one side at a time. Once the joints are slipped together, support the x-pipe appropriately from below.



- Reinstall the OEM frame brace back on the transmission tunnel.





- Slide (2) of the supplied band clamps onto the inlet of the rear connection tubes, bolt heads down and to the **outside**. Install the rear connection pipes over the outlet ends of the x-pipe, and insert the hangers into the rubber isolators.
- If installing OEM rear connections to OEM muffler, follow instructions for cut point on factory exhaust

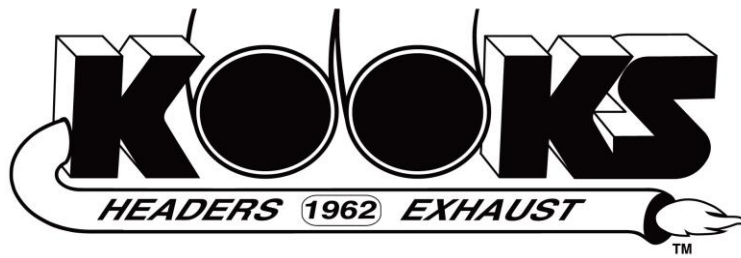


Driver Side

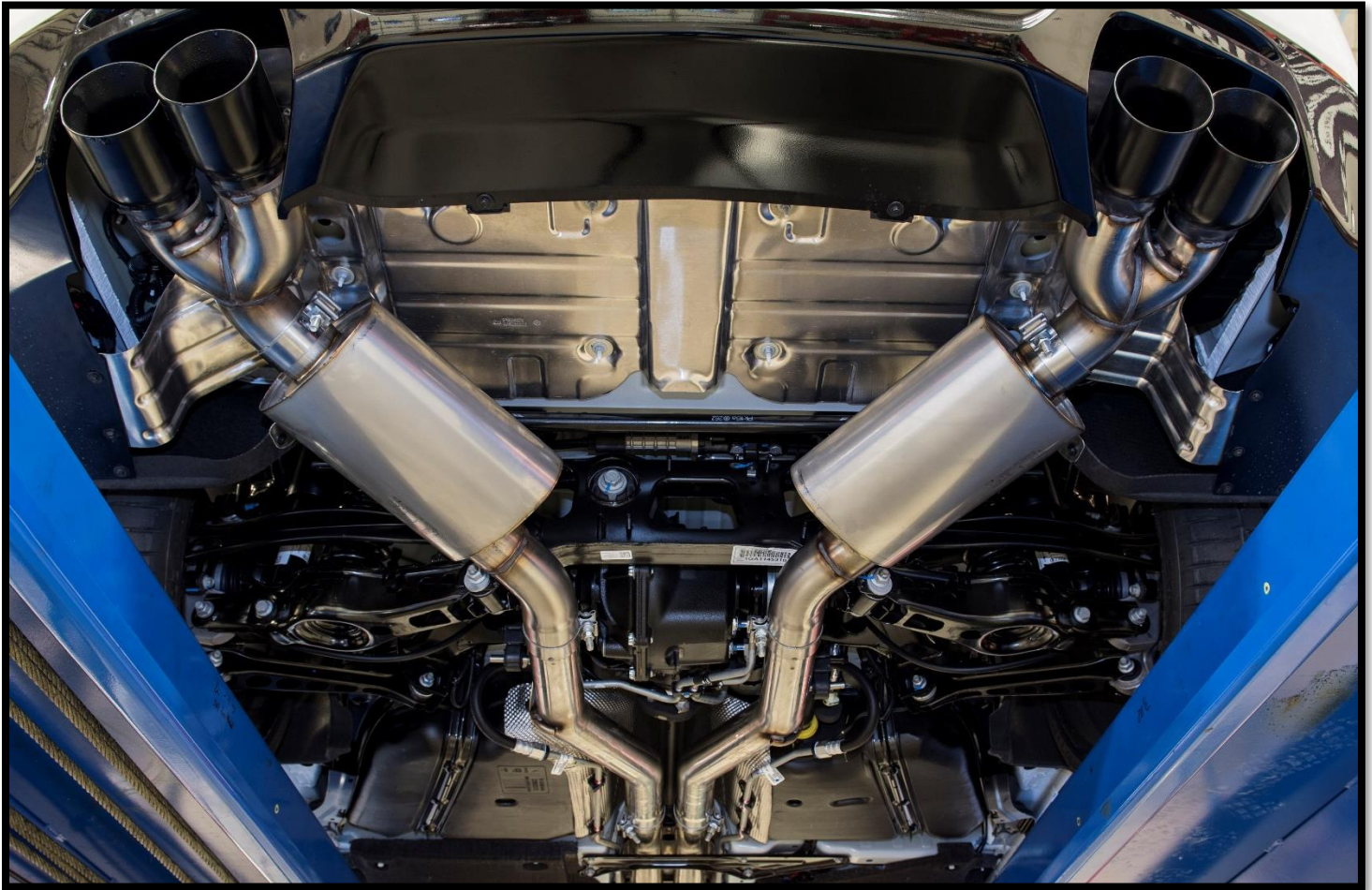


Passenger Side

- OEM rear connections will connect to OEM muffler with supplied 2.75" barrel clamps
- Slide (2) of the supplied band clamps onto the inlet of the rear connection tubes, bolt heads down and to the **inside**. Attach the mufflers to the rear connections and support them in place. Note: the OEM muffler inlet hanger mounts will not be reused.
- Before installing the tips, slide the OEM tip hanger mounts on their respective tip hanger.

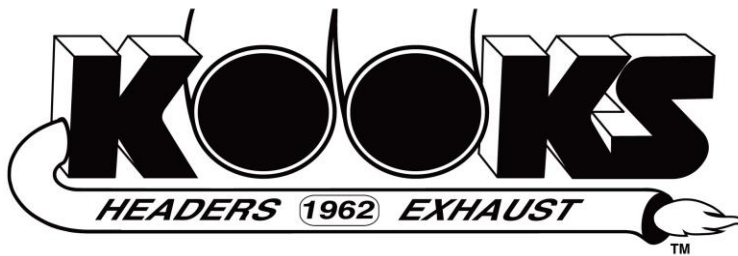


- Slide (2) of the supplied band clamps onto the outlet of the mufflers, bolt heads down and to the **inside**. Install the tip assemblies into the muffler outlets and position the OEM hanger mounts in place.
- Reattach the OEM hanger mounts to the car body; torque to OEM spec.



STEP 2. Exhaust Alignment

- Align the exhaust clear of all obstructions and position tips where desired.
- Tighten all clamps to specified torque, working from front to rear.
 - Swivel seal clamp = 20-25 ft-lb (**DO NOT OVERTIGHTEN, IT WILL LEAK!**)
 - Band clamp = 40-45 ft-lb
 - Barrel clamp = 40-45 ft-lb



STEP 3. O2 Sensors

- Apply anti-seize to the threads of all O2 sensors and install them in the original locations.
- The driver side rear O2 sensor must be reinstalled with the 8" rear extension wire provided in the Kooks header kit (4-pin, GREY CONNECTOR)

STEP 4. 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 clamps.