



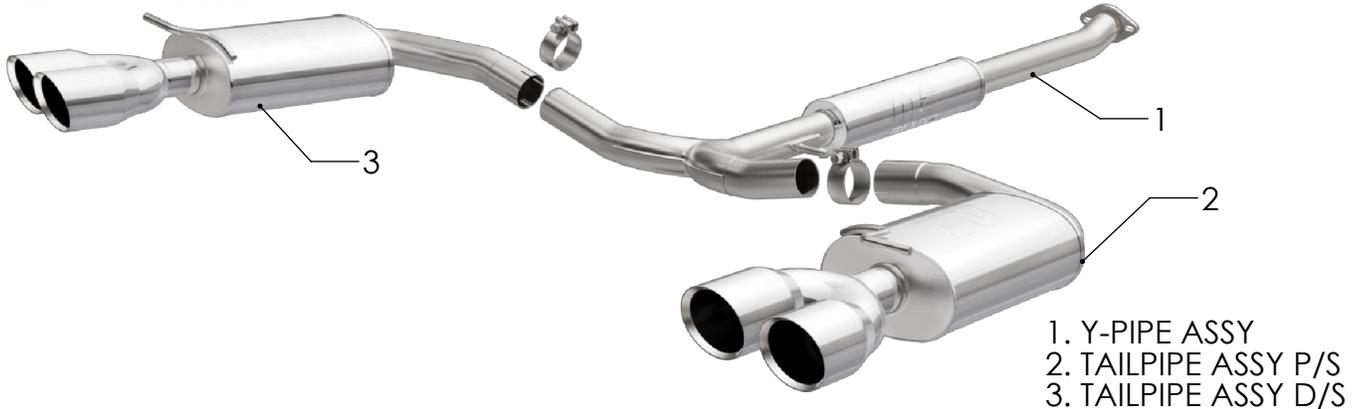
# INSTALLATION INSTRUCTIONS



2016-2019 KIA OPTIMA 2.0L

PART NO. 19457

## BILL OF MATERIALS:



WEAR SAFETY GLASSES



READ INSTRUCTIONS THOROUGHLY BEFORE INSTALLING PRODUCT



SPRAY LUBRICANT

To ease removal of existing exhaust components (especially on older vehicles) spray penetrating lubricant on all fasteners and hangers/insulators that will be loosened or removed and let soak before disassembly.

## HARDWARE KIT:

- 1. [2] 2.50" Clamp

## MINIMUM REQUIRED TOOLS:



15mm, 19mm



Hanger Tool (Or Pry Bar)

## MAGNAFLOW RECOMMENDS PROFESSIONAL INSTALLATION ON ALL THEIR PRODUCTS



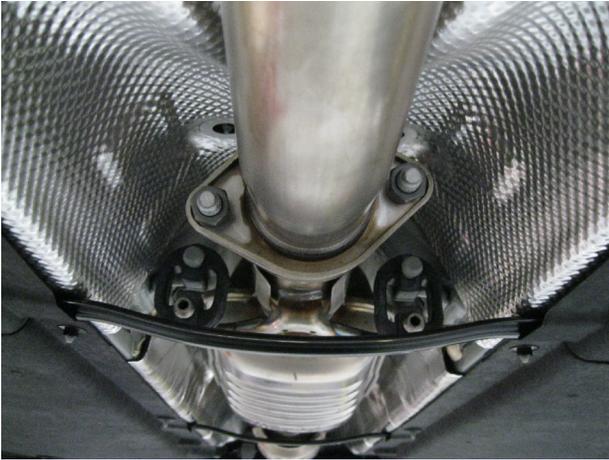
**WARNING:** When working on, under, or around any vehicle exercise caution. Please allow the vehicle's exhaust system to cool before removal, as exhaust system temperatures may cause severe burns. If working without a lift always consult vehicle manual for correct lifting specifications. Always wear safety glasses and ensure a safe work area. Serious injury or death could occur if safety measures are not followed.

**ATTENTION:** Always install any supplied band or U-bolt clamps to the proper torque specifications of 40-45 ft-lb for band clamps and 30-35 ft-lb for U-bolt clamps. Over tightening will result in the clamps breaking and will NOT be warranted by MagnaFlow.

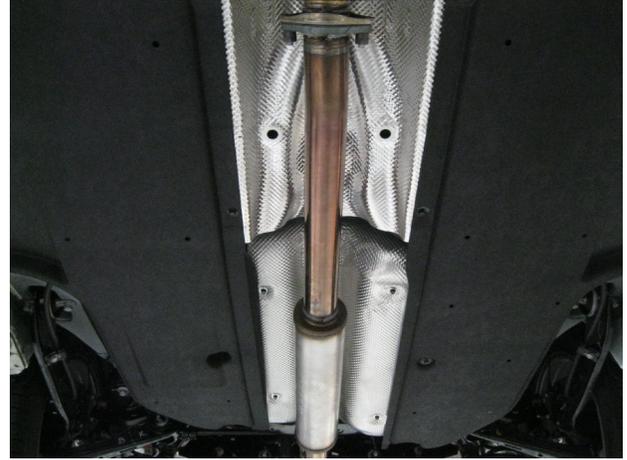
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Technical Support: 1(800) 959-9226 | Email: moreinfo@magnaflow.com

## INSTALLATION INSTRUCTIONS



**Step 1.** To extract the OEM exhaust system begin by un-fastening the flange located behind the catalytic converter and the second flange located in front of the Driver side muffler assembly. Next, working rearward, disengage all welded hangers from the rubber insulators. Do not damage or discard the rubber insulators or fasteners as they will be re-used to mount the new system. You can now remove the exhaust from the vehicle.



**Step 2.** Begin installation of the new system by fastening the Resonator Assembly inlet to the catalytic converter using the OEM fasteners and fitting the hanger into the rubber insulator (Leave all clamps and fasteners loose for final adjustment of the complete system.)



**Step 3.** Next Install the Muffler Assemblies to the outlets of the Resonator Assembly using the supplied 2.50" clamps. Insert hangers into rubber insulators.



**Step 4.** Once a final position has been chosen for the new exhaust system, evenly tighten all clamps from front to rear using the torque specifications on page one of the instructions. Inspect all fasteners after 25-50 miles of operation and re-tighten if necessary.