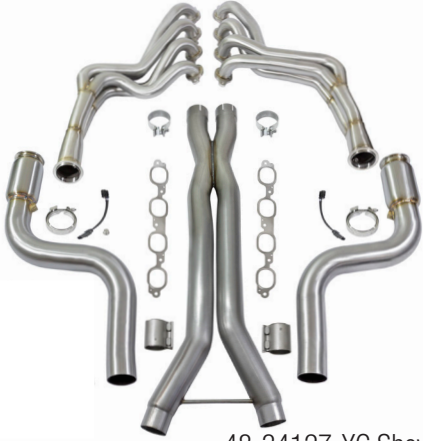




INSTALLATION INSTRUCTIONS

MAKE: Chevrolet
MODEL: Camaro
YEAR: 2016-2020
ENGINE: V8-6.2L

304SS Twisted Steel Headers/X-Pipes
48-34127-YC (w/cats)
48-34127-YN (w/o cats)



48-34127-YC Shown

Parts Included

- (P/N: 05-145002) Right Side Header
- (P/N: 05-145003) Left Side Header
- (P/N: 05-145004) Right, Mid-Pipe w/cat
- (P/N: 05-145005) Left, Mid-Pipe w/cat
- (P/N: 05-145007) Right, Mid-Pipe w/o cat
- (P/N: 05-145008) Left, Mid-Pipe w/o cat
- (P/N: 05-145006) X-Pipe

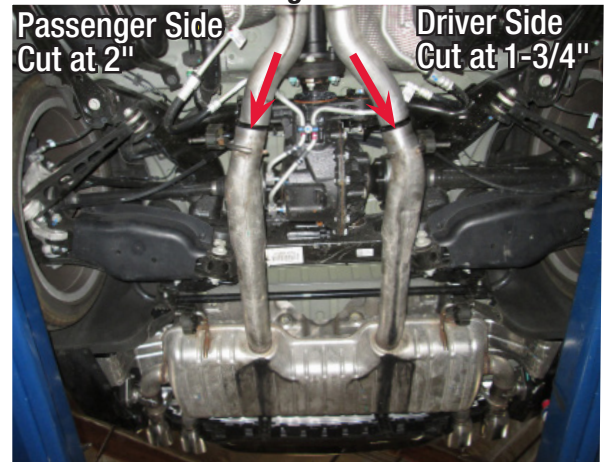
Hardware Included

- (P/N 05-41055) Clamp, Band: 3" (x2)
- (P/N 05-60167) Ties, Nylon Cable (x5)
- (P/N 05-41588) Clamp, V-Band: (x2)
- (P/N 05-41759) Clamp, Band: 2.75" (x2)
- (P/N 03-70002) O2 Extension 8" (x2)
- (P/N 05-46132) Gasket Set (x1)
- (P/N 05-46018) O2 Sensor Plug
- ThermoWrap Heat Tape 3.5" x 7.5" (X1)
- ThermoWrap Heat Tape 4" x 6.5" (X1)
- ThermoWrap Heat Tape 2" x 4" (X1)

CAUTION: Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Exhaust systems reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe recommends professional installation on our products.

- Step 1:** (Read Instructions prior to installation) for faster removal and installation of exhaust a trained professional is recommended for this procedure.
- Step 2:** Secure stock exhaust with jack/stands. The stock exhaust system will require cutting therefore professional assistance and proper tube cutting tools is always recommended.
- Step 3:** Disconnect negative battery terminal.
- Step 4:** Remove (x5) bolts securing center cross brace to chassis. Set these parts aside for reuse.
- Step 5:** Disconnect the left/right dual mode actuator connector plugs.
- Step 6:** Remove (x2) left O2 sensors and (x2) right O2 sensors from the converter pipes/exhaust system.
- Step 7:** Using a marker; measure 1 3/4" inches on the exhaust from where the straight begins before rear hanger rod on driver side (coming out from mid-pipe). Now measure 2" for the passenger side. The mark will indicate your cut locations. Ensure the measurements are accurate and the mark is clearly visible. Using a saw cut both sides of the stock exhaust. Refer to **Figure A**.
- Step 8:** Loosen the left side band clamp securing the OEM mid-pipe to the left side post converter pipe.
- Step 9:** Remove (x2) nuts securing the OEM mid-pipe to the right side post catalytic converter. Set aside nuts and gaskets as they will be reused.
- Step 10:** Remove (x4) nuts securing the left and right side rear most aluminum hanger brackets off the vehicle. Remove OEM exhaust.
- Step 11:** Remove (x4) nuts securing the converter pipes to the transmission and remove the cross brace. Note: you will not be using this part when installing aFe power headers.
- Step 12:** Remove the (x4) nuts on the left and (x4) nuts on the right converter pipes to the exhaust manifolds. Remove OEM converter pipes.
- Step 13:** Remove (x2) lines connected to the radiator surge tank and (x1) nut securing tank to engine bay. Then remove tank and set aside. Note: Pinch off the lines to prevent coolant from spilling or leaking.
- Step 14:** Remove the OEM intake air box.
- Step 15:** Remove (x2) nuts securing A/C line to the chassis.
- Step 16:** Remove the (x5) bolts securing the right/passenger exhaust manifold heat shield and remove from vehicle.


Figure A



(Figure A Close Up)



RACE ONLY DISCLAIMER

 This is a Race Only product that is to be used solely for competition, it cannot be used on vehicles that are operated on public streets, roads or highways. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. A competition acknowledgement / liability release form must be filled out and submitted.



INSTALLATION INSTRUCTIONS

MAKE: Chevrolet
MODEL: Camaro
YEAR: 2016-2020
ENGINE: V8-6.2L

304SS Twisted Steel Headers/X-Pipes 48-34127-YC (w/cats) 48-34127-YN (w/o cats)

- Step 17:** Remove (x1) torx head bolt securing engine oil dipstick and remove dipstick from vehicle.
- Step 18:** Remove (x4) spark plug wires off the coil packs and the spark plugs, and remove the spark plugs. This will allow you to remove the manifold without damaging your spark plugs/wires.
- Step 19:** Remove (x5) bolts securing right/passenger manifold to the engine and remove manifold. (The right side manifold can only be removed from under the hood of the engine compartment).
- Step 20:** Use thermo wrap heat tape 2"x 4" and 4"x 6.5" provided with kit and wrap around the wire harness located. Now use (x1) zip tie to go over thermo tape. Refer to **Figure B**.
- Step 21:** Install (right/passenger) aFe power header using (x5) bolts and (x1) manifold gasket provided in the kit.
- Step 22:** Torque the header bolts, starting from the center working your way outward. First pass will be 11ft lbs. of torque, second pass will be 18 ft lbs.
- Step 23:** Install engine oil dipstick tube removed in **Step 17**.
- Step 24:** Use remaining thermo wrap heat tape 3.5" x 7.5" provided with kit and install over brake line up against the chassis. Refer to **Figure C**.
- Step 25:** Install the radiator surge tank removed in **Step 13** and top off coolant if necessary.
- Step 26:** Remove (x5) bolts securing the left/driver exhaust manifold heat shield and remove from vehicle.
- Step 27:** Remove (x4) spark plug wires off the coil packs and spark plugs, and remove the spark plugs.
- Step 28:** Remove (x5) bolts securing left/driver manifold to the engine and remove manifold.
- Step 29:** Install (left/driver) aFe power header using (x5) bolts and (x1) manifold gasket provided in the kit.
- Step 30:** Repeat **Step 22**.
- Step 31:** Install OEM intake air box removed in **Step 14**.
- Step 32:** Install (x8) spark plugs and wire coil packs removed in **Step 18 & Step 27**.
- Step 33:** Install (x2) nuts securing the A/C line to the chassis from **Step 15**.
- Step 34:** Install left/driver connector pipe using (x1) of the supplied V-band clamps. Do not tighten all the way at this moment.
- Step 35:** Install right/passenger connector pipe using remaining V-band clamp. Do not tighten all the way at this moment.
- Step 36:** Place supplied (x2) 3" band clamps over expanded notched mid pipe ends, and slip over left and right connection pipes. (An extra pair of hands or a stand is recommended to help hold the exhaust system up in place. Do not tighten at the moment).
- Step 37:** Use the supplied (x2) 2 3/4" sleeve clamps and slip over reduced end of mid pipe. Now install the OEM muffler using the OE rubber mounts and slip inside the clamp sleeves. Do not tighten at the moment. Refer to **Figure D**.
- Step 38:** Double check position of complete system from connector pipes to OEM muffler. Once aligned and you're satisfied, tighten all clamps.
- Step 39:** Reconnect the left/right dual mode actuator connector plugs.
- Step 40:** Install center cross brace to chassis using (x5) bolts removed in **Step 4**.
- Step 41:** Install primary O2 sensors into left and right connection pipes. Use the O2 extension leads provided in the kit and plug O2 lead into factory connector and O2 sensor. Zip ties these away from the exhaust system.
- Step 42:** Install the left and right secondary O2 sensors to aFe power connection pipes.
- Step 43:** With supplied zip ties, secure any wiring/cables away from exhaust system to avoid any damage due to heat.
- Step 44:** Double check all work and ensure everything is tight. Make sure all wires and cables are clear of the exhaust system/headers.
- Step 45:** Reconnect battery.
- Step 46:** Start the vehicle and check for any leaks.
- Step 47:** Remove the vehicle from jack stands. Installation is now complete.
- Step 48:** It is recommended to re-tighten all clamps and bolts after 50-100 miles.

Figure B

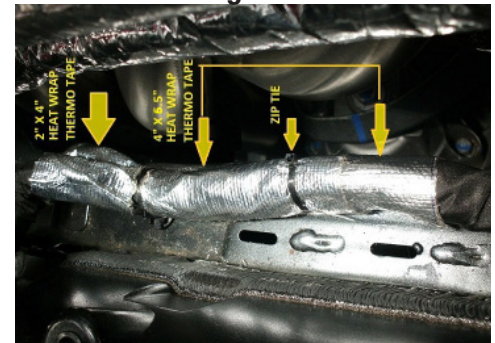


Figure C

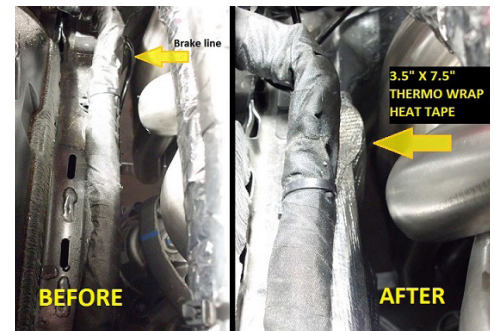


Figure D

