



## INSTALLATION INSTRUCTIONS

MAKE: Toyota  
MODEL: Tundra  
YEAR: 2010-2019  
ENGINE: V8-5.7L

### 409SS Twisted Steel Headers/Connection Pipes 48-46008-YC (w/cats) 48-46008-YN (w/o cats)



48-34125-YC Shown

#### Parts Included

- (P/N: 05-144163) Right Side Header
- (P/N: 05-144164) Left Side Header
- (P/N: 05-144165) Right, Mid-Pipe w/cat
- (P/N: 05-144166) Left, Mid-Pipe w/cat
- (P/N: 05-144168) Right, Mid-Pipe w/o cat
- (P/N: 05-144169) Left, Mid-Pipe w/o cat
- (P/N: 05-144167) Right Mid-Pipe #2

#### Hardware Included

- (P/N 03-50400) Nut, 10MM (X4)
- (P/N 05-41055) Clamp, Band; 3" (x3)
- ThermoWrap Heat Tape 5" x 7" (X1)



#### 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.

**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). Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
- Step 2:** Remove front left and front right wheels. This will allow you to have better access for installation.
- Step 3:** Disconnect the negative terminal from the battery.
- Step 4:** Remove the (x4) nuts and bolts on the OEM exhaust system to converter pipes and remove the OEM exhaust.
- Step 5:** Unplug the O2 connectors on the converter pipes. Note: Mark/label the O2 connectors so they can be reinstalled later in the correct position.
- Step 6:** Remove the (x3) nuts on the right converter pipes & (x3) nuts on the left converter pipes to stock exhaust manifolds and remove the right and left converter pipes.
- Step 7:** Remove the (x2) bolts for the drive shaft guard (refer to figure A.) and remove guard.
- Step 8:** Remove the drive shaft.
- Step 9:** Remove the right and left converter heat shields mounted on the bottom of the chassis.
- Step 10:** On the left/driver's side remove the steering shaft bolt and slide the steering shaft down and off to the side.
- NOTE: DO NOT ROTATE THE STEERING SHAFT – DAMAGE CAN RESULT!**
- Step 11:** Remove (x1) bolt for dipstick on right/passenger side. Do not remove dipstick, set aside for better clearance when removing manifold and installing header.
- Step 12:** Remove the (x8) nuts on the right/passenger stock exhaust manifold, the (x2) nuts on the air injection tube, and remove the stock exhaust manifold.
- Step 13:** Inspect the engine head surface is clean and free of any debris before installing aFe power header.
- Step 14:** Remove the (x1) 6mm bolt holding the wire harness bracket on the left side of the transmission; this will help to install the aFe power header. (refer to figure B.)
- Step 15:** Remove the (x8) nuts on the left/driver stock exhaust manifold, the (x2) nuts on the air injection tube, and remove the stock exhaust manifold.
- Step 16:** Repeat steps: 13 & 14 for left/driver engine head surface and manifold gasket.
- Step 17:** Install the left/driver side aFe power header using the OEM exhaust manifold gasket and (x8) nuts removed in step 16. (The original exhaust manifold gasket will be re-used if not damaged.)
- Step 18:** Torque the header bolts, starting from the center working your way outward. First pass will be 11ft lbs. of torque, second pass will be 18ft lbs. The (x2) nut for the air injection tube will be 3ft lbs. of torque.
- Step 19:** Reinstall the steering shaft with the original bolt and tighten.

FIGURE A.

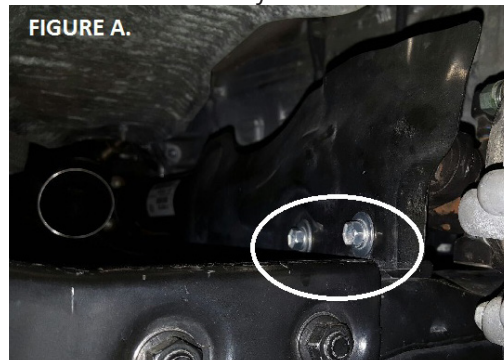
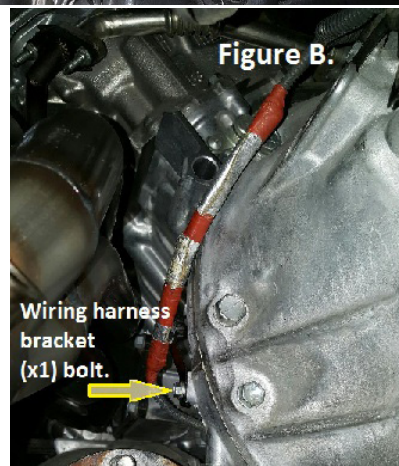


Figure B.



Wiring harness  
bracket  
(x1) bolt.



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- Step 20:** Reinstall the wire harness bracket on the left side of the transmission.
- Step 21:** Heat wrap the right/passenger side wire harness with the 5"x 7" heat wrap supplied in the kit. (Refer to figure C.)
- Step 22:** Install the right (passenger) side aFe power header using the original exhaust manifold gasket and (x8) nuts removed in step 12. (The original exhaust manifold gasket will be re-used if not damaged.)
- Step 23:** Repeat step 18.
- Step 24:** Reinstall (x1) bolt for dipstick tube.
- Step 25:** Connect the primary O2 sensors on left (driver) & right (passenger) aFe power headers.
- Step 26:** Install right and left converter heat shields removed in step 9 that mount underneath of chassis.
- Step 27:** Reinstall drive shaft and drive shaft guard.
- Step 28:** Install left and right aFe power converter pipes using supplied (x3) 3" band clamps and (x4) nuts. You will use OEM bolts for converter pipes to exhaust system. Do not tighten until you have system aligned correctly with OEM exhaust system then tighten (x3) band clamps and (x4) nuts and bolts.
- Step 29:** Connect secondary o2 sensors to left/driver & right/passenger aFe power converter pipes.
- Step 30:** Connect negative battery terminal.
- Step 31:** Double check your work then start vehicle to check for any leaks.
- Step 32:** Remove vehicle from jack stands.
- Step 33:** Congratulations, your install is now complete! (Check all bolts after 50-100 miles of install and tighten any necessary bolts)



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