



## INSTALLATION INSTRUCTIONS

**MAKE:** Nissan

**MODEL:** Frontier

**YEAR:** 2005 - 2019

**ENGINE:** V6-4.0L

**ALSO FITS:** 05-12 Nissan Pathfinder  
05-15 Nissan Xterra

**Twisted Steel Headers**

48-46101



### Parts Included:

- (P/N: 05-44543) Header, Left (x1)
- (P/N: 05-44544) Header, Right (x1)

### Hardware Included:

- (P/N: 03-50047) Nuts (x2)
- (P/N: 03-50046) Screws (x2)
- (P/N: 06-20012) CARB Decal (x1)

**Caution:** aFe recommends professional installation on our products. 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.

- Step 1:** Support the vehicle on jack stands and disconnect the negative battery terminal from the battery.
- Step 2:** Remove the right side front wheel.
- Step 3:** Remove the right side fender splash guard.
- Step 4:** Remove the intake air box.
- Step 5:** Remove the exhaust system.
- Step 6:** Remove the left and right side after cat oxygen sensors from the secondary catalytic converter pipes.
- Step 7:** Using a sharpie, mark the left and right side secondary catalytic converters.
- Step 8:** Remove both left and right side secondary catalytic converters.
- Step 9:** Now disconnect the left and right side pre catalytic converter oxygen sensors from the wire harness.
- Step 10:** Remove both left and right side primary catalytic converters.
- Step 11:** Remove the left side exhaust manifold heat shield. *(These parts will not be re-used).*  
**NOTE: The left and right side heat shield will only come off the vehicle together with the factory exhaust manifold. By moving it around, you can access the six nuts securing the factory exhaust manifold to the motor.**
- Step 12:** Remove the left side exhaust manifold and set the head gasket aside as it will be re-used.  
**NOTE: Steps 13 and 14 are accessed under the right side fender with the splash guard removed.**
- Step 13:** Now remove the right side exhaust manifold heat shield *(These parts will not be re-used).*
- Step 14:** Remove the right side exhaust manifold and set the head gasket aside as it will be re-used.
- Step 15:** Install the left side aFe Header using the original gasket and nuts removed from step 12 and tighten starting with the middle and working your way out.
- Step 16:** Now Install the right side aFe Header using the original gasket and nuts removed from step 14 and tighten starting with the middle and working your way out.
- Step 17:** Install both left and right side primary catalytic converters using the original crush gaskets, four nuts removed from step 10 and use the supplied aFe nuts and bolts.
- Step 18:** Secure the left and right side pre catalytic converter oxygen sensors back onto the wire harness and ensure that the wires are free and clear of the header.
- Step 19:** Using the original gaskets and nuts, secure the left and right side secondary catalytic converters onto the primary catalytic converter pipes and tighten.
- Step 20:** Secure the left and right side after cat oxygen sensors back onto the secondary catalytic converter pipes and tighten.
- Step 21:** Install the exhaust system.
- Step 22:** Install the right side fender splash guard.
- Step 23:** Install the right side front wheel.
- Step 24:** Install the intake air box.
- Step 25:** RE-CHECK ALL YOUR WORK.
- Step 26:** **Place enclosed CARB EO sticker on a clean/smooth surface on or near the device. EO identification label is required in passing the Smog Check inspection.**
- Step 27:** Remove vehicle off the jack stands and re-connect negative battery terminal.