



INSTALLATION INSTRUCTIONS

MAKE: Nissan

MODEL: Frontier

YEAR: 05-16

ENGINE: V6-4.0L

Also Fits: 05-15 Xterra V6-4.0L & 05-12 Pathfinder V6-4.0L

Twisted Steel Headers

48-46101



Parts Included:

- Header Left (05-44543)
- Header Right (05-44544)
- Flange Bolt x2 (03-50046)
- Flange Nut x2 (03-50047)

Tools Needed:

- 10mm & 14mm socket
- 3/8" drive ratchet
- 14mm open wrench
- O2 sensor wrench
- Philips screwdriver

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.

1. Support the vehicle on jack stands and disconnect the negative battery terminal from battery.
 2. Remove the right side front wheel.
 3. Remove the right side fender splash guard.
 4. Remove the intake air box.
 5. Remove the exhaust system.
 6. Remove the left and right side after cat oxygen sensors from the secondary catalytic converter pipes.
 7. Using a sharpie, mark the left and right side secondary catalytic converters.
 8. Remove both left and right side secondary catalytic converters.
 9. Now disconnect the left and right side pre catalytic converter oxygen sensors from the wire harness.
 10. Remove both left and right side primary catalytic converters.
 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.
12. Remove the left side exhaust manifold and set the head gasket aside as it will be re-used.
- TIP: Steps 13 and 14 are accessed under the right side fender with the splash guard removed.
13. Now remove the right side exhaust manifold heat shield (These parts will not be re-used).
 14. Remove the right side exhaust manifold and set the head gasket aside as it will be re-used.
 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.
 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.
 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.
 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.
 19. Using the original gaskets and nuts, secure the left and right side secondary catalytic converters onto the primary catalytic converter pipes and tighten.
 20. Secure the left and right side after cat oxygen sensors back onto the secondary catalytic converter pipes and tighten.
 21. Install the exhaust system.
 22. Install the right side fender splash guard.
 23. Install the right side front wheel.
 24. Install the intake air box.
 25. RE-CHECK ALL YOUR WORK.
 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.**
 27. Remove vehicle off the jack stands and re-connect negative battery terminal.