



## INSTALLATION INSTRUCTIONS

MAKE: Ford  
MODEL: F-150 Raptor  
YEAR: 2010-2014  
ENGINE: V8-6.2L

## Long Tube Headers & Y-pipe 48-33002-YC w/Cats

**aFe recommends professional installation of our products.**



### Parts Included:

- 3" SS Band Clamp (x3)
- 10mm Bolt (x3)

**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. **Note: aFe's Downpipe recommends an aftermarket tuner to clear check engine light**

- 1: (Read Instructions prior to installation)** Secure vehicle on jack stands (Refer to your manual for specified jack stand positions).
- 2:** Disconnect the battery before starting work on the exhaust system.
- 3:** Loosen the muffler clamp on the OE Y-pipe to exhaust system and remove clamp.
- 4:** Remove bolts securing the heat shields to the transmission cross member.
- 5:** Un-plug O2 sensors.
- 6:** Remove Y-pipe exhaust hanger bracket from the cross member.
- 7:** Using a floor jack secure the transmission and remove the nuts securing the cross member to the transmission.
- 8:** Remove the nuts and bolts on the cross member to the chassis and remove the cross member.
- 9:** Remove the nuts on the OE Y-pipe to exhaust manifolds and remove the OE Y-pipe.
- 10:** Reinstall the cross member to the transmission and chassis temporarily.
- 11:** Remove the left side exhaust manifold nuts (x8) and remove the left side exhaust manifold.
- 12:** Clean the cylinder head exhaust manifold gasket surface area, make sure it is free of debris.
- 13:** Install the Left side aFe power header using the original exhaust manifold gasket and (x8) nuts (the original exhaust manifold gasket can be re-used if not damaged, replace if necessary) tighten the (x8) header nuts starting in the middle and working your way to the outside nuts.
- 16:** Remove the Right side front inner fender panel.
- 17:** Remove the bolt on the dip stick tube and remove the dip stick and dip stick tube.
- 18:** Remove the right side exhaust manifold nuts (x8) and remove the right side exhaust manifold.
- 19:** Remove the Right side nuts (x2) on the motor mount.
- 20:** Raise the Right side of the engine and remove the Right exhaust manifold.
- 21:** Remove the (x3) top rear exhaust manifold studs and (x3) bottom rear exhaust manifold studs from the cylinder head they will not be reused.
- 22:** Clean the Cylinder head exhaust manifold gasket surface area, make sure it is free of debris.



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- 23:** Install the right side aFe power header using the original exhaust manifold gasket and (x2) nuts and the (x6) 10mm bolts provided on the (x3) top right rear bolt holes where the studs were removed and the (x3) bottom rear bolt holes where the studs were removed (the original exhaust manifold gasket can be re-used if not damaged replace if necessary). Tighten the (x2) header nuts and 10mm bolts starting in the middle and working your way to the outside nuts.
- 24:** Reinstall the dip stick tube to the engine block using the original bolt.
- 25:** Reinstall the dip stick.
- 26:** Lower the motor and reinstall the motor mount nut (x2).
- 27:** Install the Left aFe power Y-pipe and clamp onto the Right side aFe power Y-pipe merge assembly.
- 28:** Remove the O2's from the OE Y-pipe (mark them before removing so they will be reinstalled in the correct locations) and install them onto the aFe power Y-pipe in the same location as the OEY-pipe.
- 29:** Remove the OE exhaust hanger bracket from the OE Y-pipe and install it onto the aFe power Y-pipe.
- 30:** Install the aFe power Y-pipe to the aFe power headers using the (x2) spherical clamps provided, make finger tight only at this time.
- 31:** Reinstall the cross member to transmission and the chassis using the original nuts and bolts and tighten.
- 32:** Reinstall the OE exhaust hanger bracket to the cross member using the original bolts and tighten.
- 33:** Adjust the aFe power Y-pipe to make sure it clears the cross member and chassis and tighten the (x2) spherical clamps on the aFe headers to Y-pipe.
- 34:** Connect the aFe power Y-pipe to the exhaust system using the original muffler clamp and tighten.
- 35:** Plug in the (x4) O2 sensors.
- 36:** Reinstall the bolts on the Right and Left heat shields to the cross member and tighten.
- 37:** Reinstall the Right front inner fender panel.
- 38:** Check all your work to make sure everything is tight.
- 39:** Reconnect the battery.
- 40:** Your installation is now complete. It is recommended to re-tighten all exhaust components after 50-100 miles.