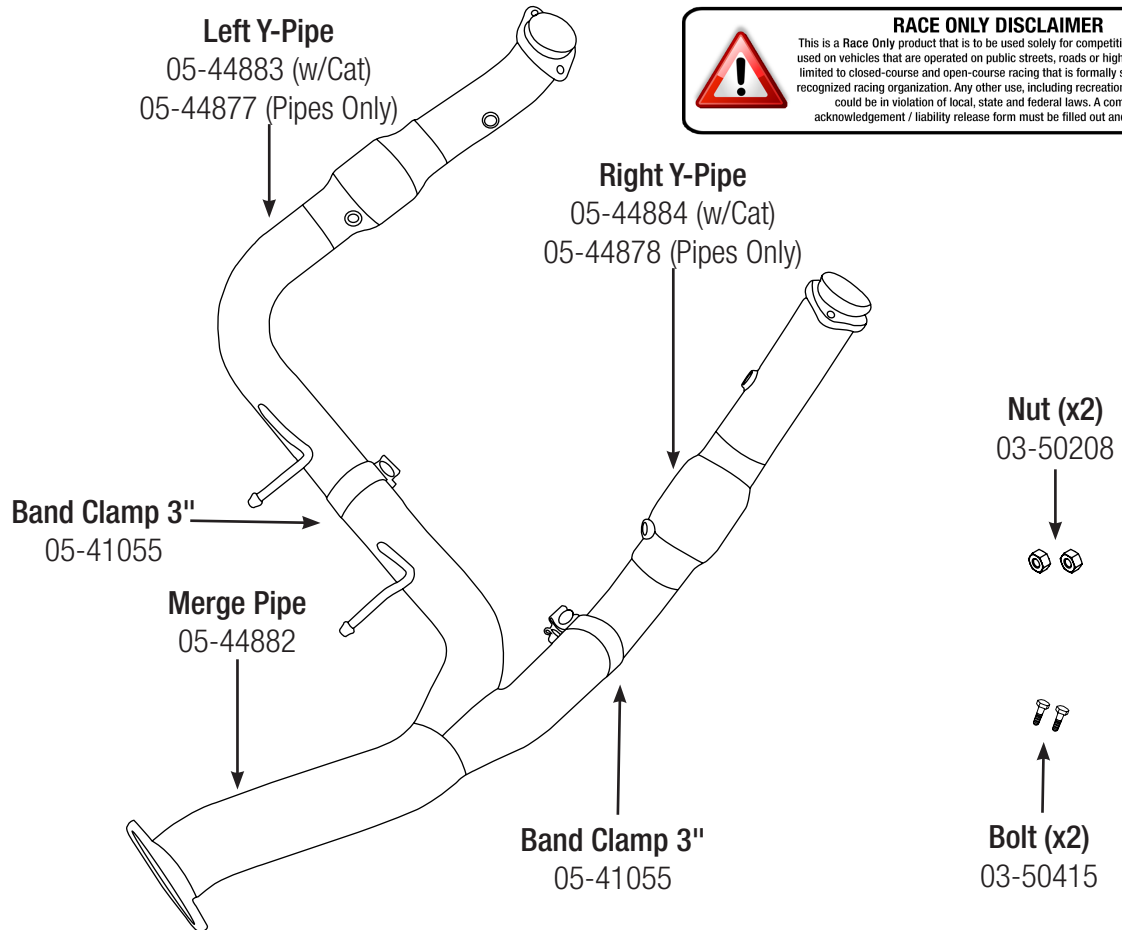




INSTALLATION INSTRUCTIONS

MAKE: FORD
MODEL: F-150
YEAR: 2011-2014
ENGINE: V8-5.0L

**Twisted Steel
Y-Pipe
48-43004 (w/Cats)
48-43005 (Pipes Only)**



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.

- Step 1: (Read Instructions prior to installation.)** Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
- Step 2:** Disconnect the battery before starting work on the exhaust system.
- Step 3:** Loosen the (x2) 10mm bolts on the 2 bolt exhaust flange connection.
- Step 4:** Remove exhaust from all hangers and remove from truck.
- Step 5:** Remove skid plate on left side of transmission cross member (4) 8mm bolts.
- Step 6:** Remove (2) 6mm bolts on the Left and Right heat shields to transmission cross member.
- Step 7:** Un-plug O2 sensors on Y-pipe.
- Step 7:** Loosen clamp on Left converter pipe.
- Step 8:** Remove (2) 10mm nuts from Left converter pipe flange to OE manifold and remove Left converter pipe.
- Step 9:** Support Transmission and transfer case with floor jack and jack stand.
- Step 10:** Remove (2) 12mm nuts from transmission mount.
- Step 11:** Remove (4) 12mm nuts and bolts from cross member and remove cross member.
- Step 12:** Remove (4) 10mm bolts on exhaust hanger mount to transmission.
- Step 13:** Remove (2) 10mm nuts from right converter/Y-pipe flange to OE manifold and remove OE Y-pipe.
- Step 14:** Install right and left aFe power converter pipes and clamps on aFe Y-pipe merge.
- Step 15:** Remove O2 sensors from OE Y-pipe (MARK O2's SO THEY GO BACK IN CORRECT LOCATION).
- Step 16:** Install O2's on aFe power Y-pipe.
- Step 17:** Install factory exhaust hanger mount on aFe power Y-pipe.
- Step 18:** Install aFe power Y-pipe to the OE manifolds using the original (4) 10mm nuts and make finger tight only at this time.
- Step 19:** Re-install the factory exhaust hanger mount on the transmission using the original (4) 10mm bolts and tighten.
- Step 20:** Re-install the cross member using the original (4) nuts and bolts and tighten.
- Step 21:** Lower transmission and transfer case onto cross member and re-install the original (2) 12mm bolts on transmission mount.
- Step 22:** Tighten (4) 10mm nuts on aFe Y-pipe to OE exhaust manifolds.
- Step 23:** Tighten (2) Band Clamps on aFe power Y-pipe.
- Step 24:** Plug in O2 sensor connectors and make sure they are clear of drive shaft.
- Step 25:** Re-install right and left heat shields to transmission cross member using the original (2) 6mm bolts.
- Step 26:** Re-install skid plate using the original (4) 8mm bolts.
- Step 27:** Re-install exhaust system and fasten to aFe power Y-pipe using the (4) 7/16" nuts and bolts provided and tighten.
- Step 28:** Re-connect battery.

NOTES:

- aFe recommends that the tail-pipe be at least 1/2"-1" away from any body panels to avoid heat related body damage. **Tighten and secure.**

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.**