



## INSTALLATION INSTRUCTIONS

**MAKE:** Ford  
**MODEL:** F-150  
**YEAR:** 2015 - 2019  
**ENGINE:** V8-5.0L

**Twisted Steel Headers**  
48-33025



### 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.

### Parts Included:

- (P/N: 05-145560) Header, Right Side (x1)
- (P/N: 05-145561) Header, Left Side (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:** (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) 12mm 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 OE Y-pipe.

**Step 8:** Loosen clamp on Left converter pipe.

**Step 9:** Remove (2) 15mm nuts from Left converter pipe flange to OE manifold and remove Left converter pipe.

**Step 10:** Support transmission/transfer case with floor jack and jack stand.

**Step 11:** Remove (2) 18mm nuts from transmission mount.

**Step 12:** Remove (4) 18mm nuts and 15mm bolts from cross member and remove cross member.

**Step 13:** Remove (4) 15mm bolts on exhaust hanger mount to transmission.

**Step 14:** Remove (2) 15mm nuts from right converter/OE Y-pipe flange to OE manifold and remove OE Y-pipe.

**Step 15:** Reinstall transmission mount, and cross member temporarily.

**Step 16:** Remove right heat shield on manifold (4) 6mm bolts.

**Step 17:** Remove the (8) 10mm nuts from OE manifold and remove OE manifold.

**Step 18:** Remove the OE studs from the manifold and re-install onto the aFe Power Header.

**Step 19:** Install the right side aFe power header back on the cylinder head using the original gasket and (8) 10mm nuts and tighten.



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**Step 20:** Remove left heat shield on manifold (4) 6mm bolts.

**Step 21:** Remove the (8) 10mm nuts from manifold and remove manifold.

**Step 22:** Remove the OE studs from the manifold and re-install onto the aFe Power Header.

**Step 23:** Install the left side aFe power header onto the cylinder head using the original gasket and (8) 10mm nuts and tighten.

**Step 24:** Support Transmission and transfer case with floor jack and jack stand.

**Step 25:** Remove the cross member, and transmission mount.

**Step 26:** Install factory exhaust hanger mount on OE Y-pipe and re-install the factory exhaust hanger mount on the transmission using the original (4) 15mm bolts and tighten.

**Step 27:** Install Y-pipe using the OE hardware, make finger tight only at this time.

**Step 28:** Re-install the cross member using the original (4) 18mm nuts and 15mm bolts and tighten.

**Step 29:** Lower transmission and transfer case onto cross member and re-install the original (2) 21mm bolts on transmission mount.

**Step 30:** Tighten (4) 15mm nuts, and bolts on OE Y-pipe to aFe power headers.

**Step 31:** Plug in O2 sensor connectors and make sure they are clear of drive shaft.

**Step 32:** Re-install right and left heat shields to transmission cross member using the original (2) 6mm bolts.

**Step 33:** Re-install skid plate using the original (4) 8mm bolts.

**Step 34:** Re-install exhaust system and fasten to aFe power Y-pipe using OE hardware and tighten.

**Step 35:** Re-connect battery.

**Step 36:** Re-tighten all nuts, bolts, and clamps after 50-100 miles of driving.

**Step 37:** Congratulations, your aFe Power shorty headers are now installed.