



## INSTALLATION INSTRUCTIONS

MAKE: Dodge  
MODEL: Challenger / Charger  
YEAR: 2009 - 2020  
ENGINE: V8-5.7L

**Exhaust Header**  
**304 Stainless Steel**  
48-32021



### Parts Included:

- (P/N: 05-145479) Header, Right Side
- (P/N: 05-145480) Header, Left Side

### Hardware Included:

- (P/N: 05-46093) Gasket, Manifold Set (x1)
- (P/N: 03-50421) 8mm Bolt (x16)
- (P/N: 05-46094) Spacer Header Bolt (x1)
- (P/N: 05-40116) 3 x 3 Heat Tape (x1)
- (P/N: 05-40110) 4 x 4 Heat Tape (x1)

**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.

- Step 1: (Read instructions prior to installation)** Secure vehicle on jack stands (refer to your owner's manual for specified jack stand positions).
- Step 2:** Disconnect the battery located in trunk.
- Step 3:** Remove the engine cover.
- Step 4:** Remove the air inlet tube and the air box.
- Step 5:** Remove the fuse box mounting tray.
- Step 6:** Remove the lower under tray.
- Step 7:** Remove the OE exhaust system.
- Step 8:** Unplug the O2 sensors (mark the O2 sensor connectors so they are reinstalled in the correct position).
- Step 9:** Unbolt the right and left side Catalytic Converter pipes from the manifolds and remove.
- Step 10:** Remove the right side O2 sensor on the manifold.
- Step 11:** Remove the (4) nuts on the right side exhaust manifold heat shield and remove the heat shield.
- Step 12:** Remove the (9) bolts on the right side exhaust manifold and remove the manifold and gasket. (the stock exhaust manifold bolt holding the dip stick tube will be reused take notice where the bolt is installed on the cyl head)
- Step 13:** Install the passenger side aFe power header onto the cyl head using the supplied gasket and 8mm bolts provided and (1) stock manifold bolt and spacer provided for the dip stick and tighten to manufactures specification's, starting from the center and working towards the outside bolts.
- Step 14:** Reinstall the dip stick tube, with (1) of the 6mm nuts removed from the heat shield.
- Step 15:** Reinstall the O2 sensor on the right side header and tighten.
- Step 16:** Remove the 8mm bolt on the steering shaft and separate, do not rotate the steering shaft as you can damage the steering wheel clocking spring)
- Step 17:** Remove the left side O2 sensor on the manifold.
- Step 18:** Remove the (4) nuts on the left side exhaust manifold heat shield and remove the heat shield.
- Step 19:** Remove the (8) bolts on the left side exhaust manifold and remove the manifold and gasket.
- Step 20:** Install the left side aFe power header onto the cyl head using the supplied gasket, and 8mm bolts provided and tighten to manufactures specification's, starting from the center and working towards the outside bolts.
- Step 21:** Reinstall the O2 sensor on the left side header and tighten.
- Step 22:** Remove the 10mm studs on the OE exhaust manifolds and install onto the aFe power headers.
- Step 23:** Reinstall the right and left side catalytic converter pipes using the original nuts but do not tighten.
- Step 24:** Plug in right and left O2 sensor connectors.
- Step 25:** Reinstall the OE exhaust system but do not tighten band clamps yet.
- Step 26:** Align the OE Catalytic Converter pipes and exhaust system for proper clearance.
- Step 27:** Tighten the right and left nuts on the OE Catalytic Converter pipes to the aFe power headers and band clamps on the OE exhaust system.
- Step 28:** Reinstall the air inlet tube and the air box.
- Step 29:** Reinstall the fuse box and mounting tray.
- Step 30:** Reinstall the engine cover.
- Step 31:** Reinstall the lower under tray.
- Step 32:** Reconnect the battery.
- Step 33:** Lower vehicle off jack stands.