



INSTALLATION INSTRUCTIONS

MAKE: Dodge / RAM

MODEL: 1500

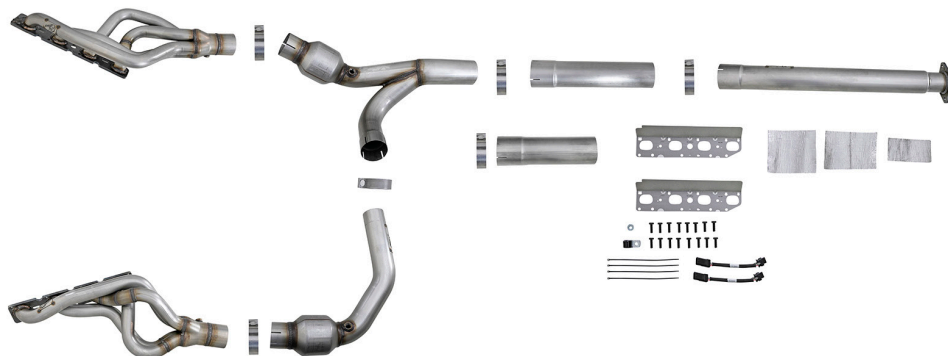
YEAR: 2019-2021

ENGINE: V8-5.7L

Twisted Steel Headers & Y-Pipe

48-32025-YC (w/Cats)

48-32025-YN (Pipes Only)



RACE ONLY DISCLAIMER

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Parts Included:

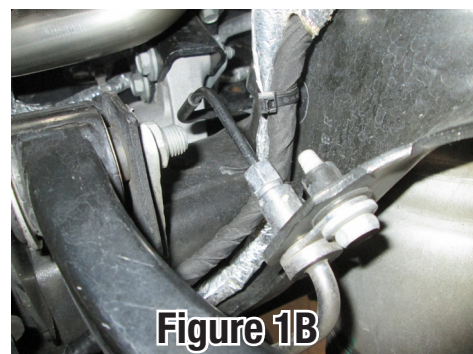
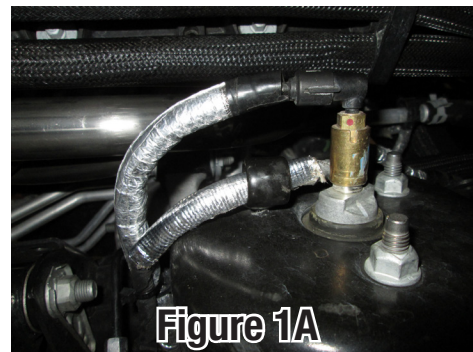
- (P/N: 05-145614) Header, Left Side (x1)
- (P/N: 05-145613) Header, Right Side (x1)
- Left Side Y-Pipe (x1)
 - (P/N: 05-145615) -YC
 - (P/N: 05-145617) -YN
- Right Side Y-Pipe (x1)
 - (P/N: 05-145616) -YC
 - (P/N: 05-145618) -YN
- (P/N: 05-145548) 33" Extension Pipe #1 (x1)
- (P/N: 05-145551) 16" Extension Pipe #2 (x1)
- (P/N: 05-145552) 12" Extension Pipe #3 (x1)

Hardware Included:

- (P/N: 05-41055) 3" Band Clamp (x3)
- (P/N: 05-41171) 3-1/2" Band Clamp (x3)
- (P/N: 03-50421) Screws (x16)
- (P/N: 05-46093) Gasket Set (x1)
- (P/N: 05-46094) Spacer Bolt (x1)
- (P/N: 03-50234) 3/4" Clamp (x1)
- (P/N: 05-60167) Cable Ties (x4)
- (P/N: 05-40109) Heat Shield 6" x 24" (x1)
- (P/N: 05-40110) Heat Shield 6" x 6" (x1)
- (P/N: 05-40116) Heat Shield 3" x 3" (x1)
- (P/N: 05-70022) Sensor Extension (x2)

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 on the exhaust system.
- Step 3:** Remove your stock exhaust system up to the up to the first flanged joint. Remove the OE gasket from the OE exhaust flange put aside it will be reused later.
- Step 4:** Remove the OE mid pipe from the OE Y-pipe.
- Step 5:** Un-plug O² sensors from the Y-pipe (mark the O², so they will be reinstalled in the correct position).
- Step 6:** Support the transmission/transfer case with a floor jack.
- Step 7:** Remove the (3) nuts securing the transmission/transfer case to the cross member.
- Step 8:** Remove the (4) nuts and bolts on the cross member to remove the cross member.
- Step 9:** Remove the (4) bolts on the Y-pipe to the OE exhaust manifolds and remove the OE Y-pipe.
- Step 10:** Reinstall the cross member temporarily and lower transmission/transfer case.
- Step 11:** Remove (4) 6mm nuts on the right side exhaust manifold heat shield and remove heat shield.
- Step 12:** Remove the (9) exhaust manifold bolts and remove the OE exhaust manifold.
- Step 13:** Clean the cylinder head manifold gasket surface, make sure it is free of exhaust gasket debris.
- Step 14:** Install the right side aFe POWER header and right side supplied header gasket and 8mm x 1.25 x 25mm bolts provided and tighten, working from the center out.
- Step 15:** Reroute the right front ABS wire by disconnecting it and removing snap in fasteners, then securing it to the strut tower with provided fixing clamp and 10mm nut.
- NOTE:** Nylon cable ties are provided to join the wires together.
Reference Figure 1A and 1B.
- Step 16:** Install the thermo wrap heat tape provided to the heater hoses. **(MAKE SURE HEATER HOSES HAVE AT LEAST 2" OF CLEARANCE FROM HEADER).**





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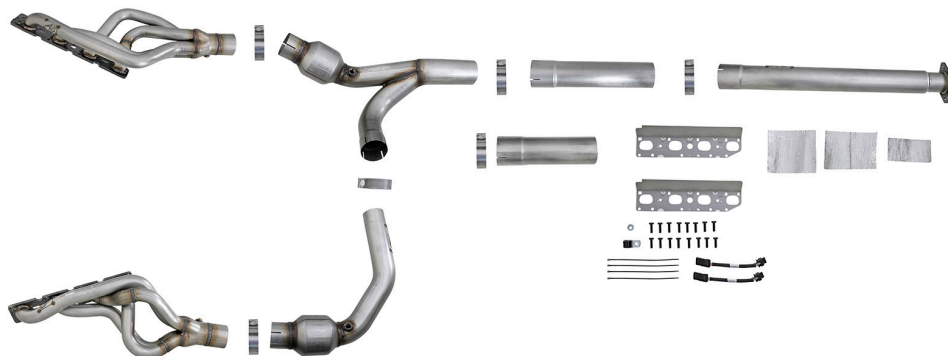
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- Step 17:** Remove (4) 6mm nuts on left side exhaust manifold heat shield and remove heat shield.
- Step 18:** Remove (1) 6mm nut on the dip stick tube bracket (**take note where the dip stick mounting bolt and its location as it will be reused later and needs to go back in the same location**).
- Step 19:** Remove the (8) exhaust manifold bolts and remove the OE exhaust manifold.
- Step 20:** Clean the cylinder head manifold gasket surface, make sure it is clear of exhaust gasket debris.
- Step 21:** Install the left side aFe POWER header and left side header gasket using (1) OE exhaust manifold bolt and spacer provided on the bolt hole that mounts the dip stick tube, and the 8mm x 1.25 x 25mm bolts provided and tighten from the center out.
- Step 22:** Reinstall the dip stick tube bracket using the original 6mm nut, and tighten.
- Step 23:** Install the left aFe POWER mid pipe and 3" band clamp clamp onto the aFe POWER right side Y-pipe merge. Do not tighten band clamp yet.
- Step 24:** Install two (2) 3" band clamps onto the left and right side Y-pipe inlet tubes.
- Step 25:** Support the transmission/transfer case with a floor jack.
- Step 26:** Remove the cross member.
- Step 27:** Install the aFe POWER Y-pipe onto the aFe POWER headers, make clamps only finger tight at this time.
- Step 28:** Reinstall the cross member using the OE bolts and tighten.
- Step 29:** Reinstall the three (3) OE nuts on the transmission/transfer case support bracket and tighten.
- Step 30:** Tighten the three (3) 3" band clamps on the aFe POWER Y-pipe.
- Step 31:** Install the O² sensors onto the aFe POWER Y-pipe in the same location as the OE Y-pipe.
- Step 32:** Use the supplied O² extension on the left and right rear O² sensors.
- Step 33:** Plug in the O² connectors.
- Step 34:** Install the 3-1/2" band clamps on the aFe POWER extension pipes and install onto the aFe POWER Y-pipe.
NOTE: use the #1 and #3 Extension pipe for the 140.5" wheel base, #1 and #2 Extension pipe for 144.6" wheel base, and #1, #2, and #3 Extension pipes for the 153.5" wheel base.
- Step 35:** Re-install exhaust system and fasten to aFe POWER Y-pipe.
- Step 36:** Once you have the desired alignment on the exhaust system, tighten all nuts, bolts and clamps.
- Step 37:** Re-connect battery.
- Step 38:** Re-tighten all nuts, bolts and clamps after 50-100 miles of use.
- Step 39:** Congratulations, your aFe POWER header and Y-pipe is now installed.