



INSTALLATION INSTRUCTIONS

MAKE: Dodge / RAM

MODEL: 1500

YEAR: 19-20

ENGINE: V8-5.7L

Twisted Steel Headers

48-32023



Parts Included:

- (P/N: 05-145544) Header, Right Side (x1)
- (P/N: 05-145545) Header, Left Side (x1)

Hardware Included:

- (P/N: 03-50421) Screws (x16)
- (P/N: 05-46093) Gasket Set (x1)
- (P/N: 05-46094) Spacer (x1)
- (P/N: 05-46378-1) Heat Shield Adhesive (x1)
- (P/N: 03-50234) 3/4" Clamp (x1)
- (P/N: 05-60167) Cable Ties (x2)
- (P/N: 03-50189) Nuts (x1)



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.

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 muffler clamp on the exhaust system to muffler extension pipe.

Step 4: Remove exhaust from all hangers and remove from truck.

Step 5: Loosen the muffler clamp on the exhaust extension pipe to the Y-pipe.

Step 6: Remove the rubber hangers from the exhaust extension pipe remove the extension pipe.

Step 7: Un-plug O2 sensors on Y-pipe.

Step 8: Support the transmission/ transfer case crossmember with a floor jack or jack stands.

Step 9: Remove the (4) 18mm nuts securing the transmission / transfer case mount.

Step 10: Remove the (4) 18 mm nuts and bolts to remove the crossmember.

Step 11: Remove the (4) 10mm nuts on the Y-pipe to OE exhaust manifolds and remove OE Y-pipe.

Step 12: Remove (4) 6 mm nuts on right side exhaust manifold heat shield and remove heat shield.

Step 13: Remove the (9) exhaust manifold bolts and remove OE exhaust manifold.

Step 14: Clean the cylinder head manifold gasket surface, make sure it is free of exhaust gasket debris.

Step 15: Install right side aFe POWER Shorty Header and right side header gasket using the 8 mm x 1.25 x 25mm bolts provided and tighten working from the center out.

Step 16: Reroute the right front ABS wire by disconnecting it and removing snap in plugs, 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 Figure 1B.

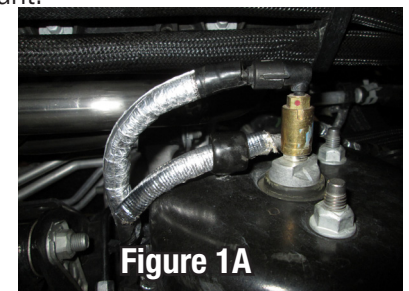


Figure 1A

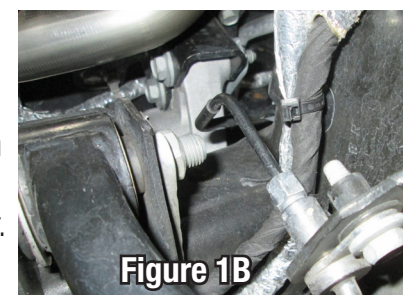


Figure 1B



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- Step 17:** Install the thermo wrap heat tape provided to heater hoses (**MAKE SURE HEATER HOSES HAVE AT LEAST 2" OF CLEARANCE FROM HEADER**).
- Step 18:** Remove (4) 6 mm nuts on left side exhaust manifold heat shield and remove heat shield.
- Step 19:** Remove (1) 6 mm bolt on dip stick tube bracket (**take note where the top dip stick mounting bolt and its location as it will be reused later and needs to go back in the same location**).
- Step 20:** Remove the (8) exhaust manifold bolts and remove the OE exhaust manifold.
- Step 21:** Clean the cylinder head manifold gasket surface, make sure it is free of exhaust gasket debris.
- Step 22:** Install the Left side aFe POWER Shorty 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 8 mm x 1.25 x 25 mm bolts provided and tighten from the center out.
- Step 23:** Reinstall the dip stick tube bracket using the original 6mm nut, and 6 mm bolt and tighten.
- Step 24:** Reinstall OE Y-pipe to the aFe POWER headers using the OE nuts and bolts make finger tight only at this time.
- Step 25:** Re-install the cross member using the 18mm nuts and bolts.
- Step 26:** Reinstall the exhaust pipe extension tube using the OE rubber isolation mounts and muffler clamp.
- Step 27:** Tighten the (4) OE nuts and bolts on the OE Y-pipe to the aFe POWER headers.
- Step 28:** Tighten the muffler clamp on the exhaust pipe extension tube.
- Step 29:** Plug in O2 sensor connectors on Y-pipe.
- Step 30:** Reinstall exhaust system and tighten exhaust clamp.
- Step 31:** Re-connect battery.
- Step 32:** Re-tighten all clamps, nuts, and bolts 50-100 miles after driving.
- Step 33:** Congratulations, your aFe POWER Shorty Headers are now installed.