



INSTALLATION INSTRUCTIONS

MAKE: Dodge
MODEL: Charger/Challenger R/T
YEAR: 15-21
ENGINE: V8-5.7L HEMI (RWD)

Long Tube Headers & Mid Pipe

48-32027-YC (w/Cats)

Also Fits: 15-20 Chrysler 300C V8-5.7L HEMI



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.

Item	Description	Part Number	Quantity
1	Right Side Header	05-45943	1
2	Left Side Header	05-145919	1
3	Left Connection Pipe	05-45945	1
4	Right Connection Pipe	05-45946	1
5	3" Band Clamp	05-41055	2
6	15" L O2 Extension	05-46114	4
7	Header Spacer Bolt	05-46094	1
8	Manifold Gasket Set	05-46093	1
9	Bolt, M8 x 1.25 x 25mmL	03-50421	16
10	Nut, M8 x 1.25	03-50403	4
11	Washer, M8 x 16mm	03-50159	4
12	Heat Wrap 4" x 4"	05-40110	1
13	Heat Wrap 4" x 12"	05-46078	1

aFe POWER recommends professional installation on this product. Thoroughly inspect the aFe POWER exhaust system to make sure there is no damage from shipping (if damage is noted, immediately contact aFe POWER customer service). Allow time for your vehicle to cool down prior to installation. When working on your vehicle proceed with caution. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation.

Install band clamps to proper torque specifications of 40-45 ft-lb.

1. **(Read instructions prior to installation.)** It is recommended to not fully tighten the exhaust until it has been fully installed. Leave loose for adjustability.
2. Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
3. Disconnect the battery located in the trunk.
4. Remove the engine cover.
5. Remove the air inlet tube from the air box.
6. Remove the fuse box mounting tray.
7. Remove the lower splash guard under tray.
8. Remove the exhaust system.
9. Unplug the O2 sensor on the connection pipes and remove them (mark the O2 sensors so they can be reinstalled later in the correct locations).
10. Unbolt the driver's side and passenger side Catalytic Converter pipes from the exhaust manifolds and remove.
11. Remove the (x4) nuts on the right side exhaust manifold heat shield and remove the heat shield.
12. Remove the (x9) bolts on the right side exhaust manifold and remove the manifold and gasket.
13. Remove the (x2) nuts on the right motor mount heat shield and remove the heat shield.
14. It will be necessary to shorten one of the motor mount bolts to clear the header. Start by supporting the engine with a floor jack and removing the most rearward bolt.
(See FIG 1 for bolt location).



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15. Cut $\frac{1}{2}$ " off the end (heat shield side of bolt).
16. Reinstall the bolt and tighten. Reinstall the heat shield using the supplied 8mm nuts and washers.
17. Install the right side aFe POWER header onto the cylinder head using the gasket, 8mm bolts provided (x1) stock manifold bolt and provided spacer for the dip stick tube. Start from the center and working to the outside bolts and tighten to manufacturers specifications
18. Reinstall the dip stick.
19. Remove the (x4) nuts on the left side exhaust manifold heat shield and remove the heat shield.
20. Remove the (x8) bolts on the left side exhaust manifold and remove the manifold and gasket.
21. Remove the (x2) nuts on the left motor mount heat shield and remove the heat shield.
22. **Repeat steps 12-15 for the left side header.**
23. Wrap the starter wires using the supplied heat tape.
24. Install the left side aFe POWER header onto the cylinder head using the gasket, 8mm bolts provided. Tighten the bolts starting from the center and working to the outside bolts and tighten to manufacturer's specification.
25. Install the O2 sensors on the aFe POWER connection pipe and install onto the header, do not tighten clamp.
26. Install the supplied 3" band clamp onto the right side aFe POWER connection pipe and install onto the header, do not tighten clamp.
27. Install the O2 extension leads supplied in the kit.
28. Plug in O2 sensors and fasten the extension leads out of the way using cable ties supplied in the kit.
29. Reinstall the OE exhaust system but do not tighten the band clamps yet.
30. Align aFe POWER catalytic converter pipes for fitment and clearance.
31. Tighten the right and left band clamps on the aFe POWER catalytic converter pipes and band clamps on the OE exhaust system.
32. Reinstall the air inlet tube from air box.
33. Reinstall the fuse box and mounting tray.
34. Reinstall the lower splash guard under tray.
35. Reconnect the battery.
36. Reinstall the engine cover
37. Lower the vehicle of jack stands.
38. It is recommended to re-tighten all clamps and hardware after 50-100 miles.

