

**INSTALLATION INSTRUCTIONS**  
**INS267**

2005-2018, CHRYSLER 6.1, 6.2, 6.4L "HELLCAT"

# FULL-LENGTH LONG TUBE EXHAUST HEADERS

Part # 1648/16480



**Special Tools required:** WD-40, 10mm, 15mm, 16mm, 18mm sockets and wrenches, 3/8 ratchet, extensions, floor jack and jack stands.

**Additional Parts required (sold separately) for installation:**

**SHORT MID PIPE**

Part # 16481 with catalytic converter

Part # 16482 off road

**O<sup>2</sup> WIRE HARNESS EXTENSIONS (PAIR)**

Front 12" Part # 1118 (6.1L/6.4L)

Front 12" Part # 1114 (6.2L Hellcat only)

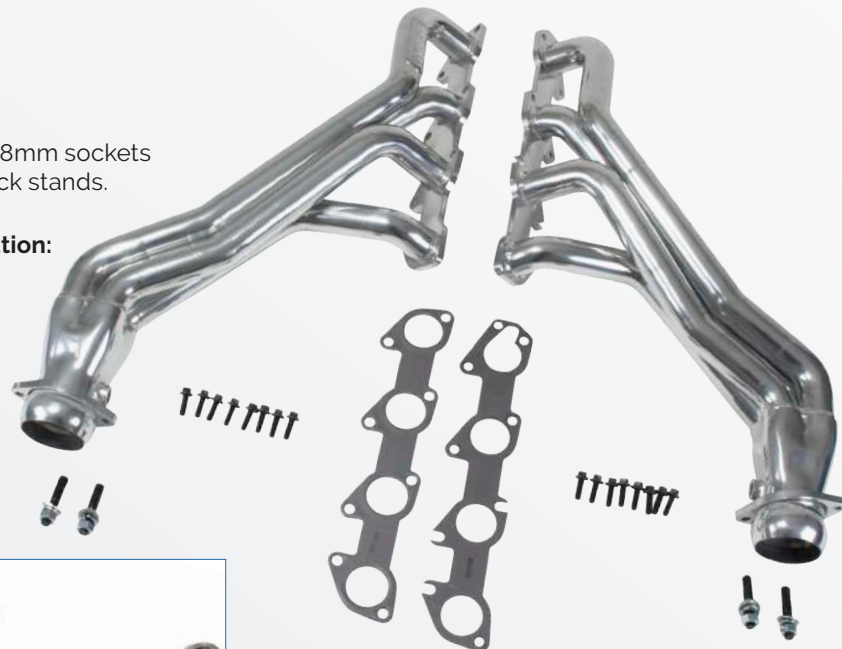
Rear 24" Part # 11181 (6.1L/6.2L Hellcat/6.4L)



**Install Time:** 4 to 6 hours.



**Difficulty:** Average.



Both of these BBK long tube headers require the use of BBK short mid pipes to complete installation.

Part # 16481 or 16482 (sold separately)

+ O<sup>2</sup> wire harness extensions required!

- Sold Separately -



**NOTE!** Be sure to work safe! Whenever you work under the vehicle be sure that it is located on level, solid ground and is supported by adequate safety stands! **Remember: Hot asphalt will not support most jack stands safely!**

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IMPORTANT: All appropriate safety equipment and gear must be used during the installation of this or any BBK Performance products or any time you work on a vehicle. BBK Performance Inc. accepts no responsibility for injuries or damage caused by or during the installation of this product.



## FOLLOW THESE INSTRUCTIONS CAREFULLY TO ENSURE CORRECT FITMENT AND OPERATION

Place vehicle in a location where the floor is solid and flat, with adequate lighting. Do not attempt to work on a hot engine. Heat causes metal to expand and makes removal of fasteners difficult. Disconnect the battery cables from the battery. Raise the front of the vehicle to obtain adequate access to the bottom exhaust manifold flanges. Use large-base jack stands to support the vehicle. Do not rely on the jack! Block the tires to prevent the vehicle from rolling off the jack stands.

It is important when installing the header to install all bolts loosely then tighten evenly to ensure the flat installation of the flange. The torque sequence from one flange to another will vary, but generally every bolt on a header should be first fit snug, starting from the middle of the flange working out, alternating from top to bottom so that the bolt connects the flange to the manifold to the point where they barely touch. Second, using the same inside-out pattern, tighten each bolt until finished. This method will help prevent leakage and will give the user the best possible performance.

### STEP 1

Start by removing plastic shield from underneath car to help in removal of manifolds and install of BBK headers.

### STEP 2

Using 10mm socket remove steering shaft and set aside for more room to work.



Place vehicle on flat surface making sure to use jack stands when working on vehicle. We recommend spraying all Fasteners with WD40 or similar to make fastener removal easier.

### STEP 3

#### DRIVER'S SIDE



Disconnect O<sup>2</sup> sensor plugs and then remove factory head pipe using 16mm socket.

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### STEP 3 (CONT.)

#### PASSENGER'S DRIVE



Repeat same as driver's side.

### STEP 5



Safely support engine for removal and install motor mounts.

### STEP 4



Using 15mm socket disconnect and remove factory head pipes.

### STEP 6

#### DRIVER'S SIDE



Start removing the 18mm nuts on motor mount at frame then remove 15mm bolts attached to from motor mount to engine and remove. At this time raise engine at least 1 inch for extra room. Then with 10mm socket/wrenches remove factory heat shield and manifold. Make sure at this time to check for any carbon build up on cylinder head and clean for flat sealing surface.

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### STEP 7

Before installing headers check coil pack harness on both driver and passenger sides it is recommend using supplied zip ties for added clearance from header tubes before installing them when you have extra room, after header install double check for proper clearance on all wires.



### STEP 9



Hellcat models dipstick can stay in place just rotate to the side a little for install.

### STEP 8



Install BBK headers using supplied hardware and gasket with 10mm socket/wrench. Re-install motor mount and steering shaft.

### STEP 10



Now after headers are installed install supplied head pipe assembly the driver side and passenger side are labeled with little stickers on exhaust.

*Install both driver and passenger head pipes with coupler clamps and leave loose. Now check for proper clearance then tighten down head pipe assembly then remove O2 sensors from factory head pipes then install in BBK head pipes using a little anti-seize. Then install O<sup>2</sup> sensor extensions as 12" into headers and 24" to head pipes.*

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