



PERFORMANCE EXHAUST

A PerTronix Performance Brand ~ www.pertronixbrands.com ~ 909 599-5955

Installation Instructions & Warranty Information

6689S / 36689S ~ 2015-21 Mustang 5.0

Long Tube Race Headers



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This product is **ILLEGAL** for street or off highway use and is only intended for Closed Course Competition use and may never be operated on the street or for off highway use, except for 1965 and older US manufactured, California Certified vehicles; 1967 and older foreign manufactured vehicles, which may have this product installed as long as the vehicle still meets emissions standards for the year of the vehicle and retains any original or retrofit emissions control devices, including EGR, A.I.R. and any NOx device required for the year of the vehicle.

⚠ WARNING:

This product can expose you to chemicals including Lead, Nickel, Cadmium and Chromium which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

REV. 8 2-9-21 DSL

PLEASE READ BEFORE PROCEEDING

PerTronix® thanks you for choosing a JBA Performance Exhaust Product. To realize the potential of JBA's engineering and excellent fit, Please Read and Understand these instructions completely prior to starting the installation.

Check that you received all the parts listed on the parts list, if you have any concerns, please contact PerTronix before continuing. Headers will have the part number stamped in the flange.

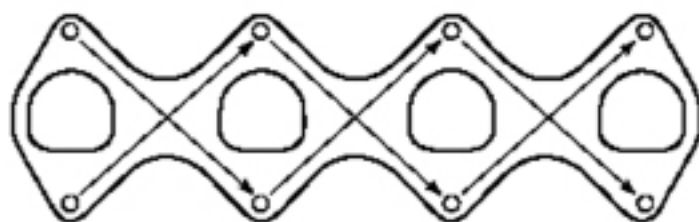
Work Smart – Work Safe! Most Header and Exhaust Installation are best performed on a lift. If a lift is not available, raise the vehicle and support on quality Jack Stands on level ground. Do not rely on a jack!

We use sealing beads on all our headers. The raised bead creates a better seal virtually eliminating leaks if installed properly. It is important to install all header bolts lightly snug and then tighten to factory torque specs starting in the center and working outward.

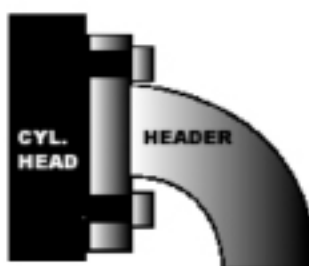
Before starting, allow the vehicle to cool, disconnect the battery, and spray a penetrating oil on all hardware and fittings that will need to be removed. Once you remove your manifold, clean the sealing surface on the head of any old gasket debris or carbon build up.

1. Due to the extreme difficulty in installing this header, it is highly recommended that the installation be performed on a lift. You will be installing these headers from underneath and also must have the means to lift the motor up within the chassis using a tall screw type jack.
2. Unplug the O2 sensors from the catalytic converter assembly. Unbolt the converters from the factory headers and un clamp them from the factory H Pipe. Remove the converters.
3. Un clamp the factory H Pipe from the exhaust pipe and remove the H Pipe from the car.
Driver Side:
4. Remove the nut on the driver side motor mount to allow the engine to be raised.
5. Place the jack under the oil pan using a block of wood to distribute the load. Lift the motor approximately 2-3". Unbolt the aluminum motor mount stand from the block and remove the aluminum stand.
6. Remove the bolts that attach the steering shaft U Joints to the steering rack and the steering column, Remove the shaft.
7. Remove the nuts attaching the header to the cylinder head. Some of these are very difficult to access. Remove the studs from the cylinder head and remove the factory header.
8. Slip the supplied exhaust gasket into place then install the new JBA Header, using the supplied header bolts and washers. Note: To ensure a tight seal - use an alternating torque sequence to snug the header to the head working both top and bottom bolts in evenly. Failure to do this will result in leaks.

Torque Sequence - Alternate top to bottom



CORRECT



WRONG (LEAK)



9. Place the aluminum motor mount stand back in place, install and tight the three bolts to the block.
10. Lower the motor so that the motor mount stand contacts the rubber mount. Reinstall the nut on the motor mount and tighten.

Passenger Side:

11. Remove the passenger side motor mount nut to allow the engine to be raised. Remove the three bolts from the starter. Remove the wires from the starter and remove it from the car.
12. Remove the nut on the driver side motor mount to allow the engine to be raised.
13. Place the jack under the oil pan using a block of wood to distribute the load.
14. Lift the motor approximately 2-3". Unbolt the aluminum motor mount stand from the block and remove the aluminum stand.
15. Remove the nuts attaching the header to the cylinder head. Some of these are very difficult to access. Remove the studs from the cylinder head and remove the factory header.
16. Slide the JBA Long Tube header into position. Slip the Gasket between the header and the block and install the JBA Header bolts and washers into the cylinder head. Do not tighten at this time, leave as loose as possible until the starter is installed
17. Reinstall the starter motor.
18. Tighten the header bolts in the same sequence as recommended above.
19. Install the aluminum motor mount stand and tighten the bolts to the block. Lower the motor back onto the rubber mount and tighten the nut.
20. Slip the steering shaft back into position and tighten the pinch bolts.
21. Install the O2 sensors into the headers using a dab of anti sieze. Ford Racing recommends using the upper location for the most accurate readings, Some tuners like to use the collector location. Install the Plugs in which ever location you do not use. If you need extensions JBA has those available
22. JBA offers Hi Flow X & H pipes to use with these headers (visit pertronixbrands.com for more info) or you can use the supplied reducers to build your own exhaust system.
23. Start the engine and let it warm up. Check for leaks. Shut engine off and let it cool down. Check to make sure all fasteners are tight.
24. Periodically check and retighten the header bolts

Parts List:

- | | |
|-----------------------------------|--------------------------------------|
| (1) Driver's Side Header Assembly | (1) Passenger's Side Header Assembly |
| (2) O2 bung plugs | (2) V Band Clamp |
| (2) Gaskets | (16) M10 -1.25 Header Bolts |
| (16) Header Lock Washers | |
| (2) Reducers | |

JBA LIMITED WARRANTY

All JBA Headers and Exhaust products are guaranteed, to the original purchaser, to be free of defects in materials and workmanship for one year. This warranty covers the replacement or repair of the product only and does not cover the cost of removal and installation, customer applied aftermarket coatings or any discoloration or corrosion of finished surfaces.

Damage or product failure resulting from collision, improper installation, off-road use, road hazards, the use of exhaust insulating wrap or like products or rust occurring after installation, is not covered by the warranty. The warranty extends only to the original purchaser.

Should a part become defective it should be returned to the original selling retailer and must be accompanied with the sales receipt. If there is no retailer in your area, call the factory for a return authorization and return your part prepaid to the factory for inspection. PerTronix reserves the rights to replace or repair the alleged defective part and return the part freight collect.