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Installation Instructions and Warranty Information

JBA Headers for 2005-2009 Ford Mustang GT 4.6L 3v V-8



Part # 1675S

ON VEHICLES BUILT BEFORE 12/31/2006

These headers retain all O.E.M. emissions equipment and are covered under the C.A.R.B. E.O. #D-216-29. Included in this kit you will find a label that is required to aid in passing the California smog check program. This label must be installed in an underhood location that is readily visible.

ON VEHICLES BUILT AFTER 12/31/2006

WARNING: These headers are legal for Off Highway use (except in California or states that have adopted California emission standards) or Racing use (which may never be used on a Highway), or for use on pre emission controlled motor vehicles/motor vehicle engines (pre 1974 domestic vehicles certified to California standards, pre 1974 domestic vehicles certified to Federal standards and all pre 1974 Foreign vehicles) Only.

Read all instructions carefully before attempting installation.

Rev. 04/09

PerTronix© thanks you for choosing JBA HEADERS, the best fitting, highest quality header on the market. In order to realize the full potential of our good fit, please read and understand these instructions completely prior to starting work.

Check to make sure you received the proper parts for your application. The header number will be stamped on the engine flange. If you are unsure you have received the proper parts call before you start work.

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!

Many factors affect the installation of headers, some of which are broken or aftermarket motor mounts, accidents that impact the configuration of the frame, and/or the installation of different engines or aftermarket cylinder heads.

Attention Customers breaking in new engines: Due to the extreme heat generated during the break-in process, the appearance of the ceramic coating may be altered in certain areas. The protection characteristics and thermal barrier properties of the coating is never compromised. It is recommended that a cast iron manifold or old set of headers be used for this process.

Notice: The coating of these headers can be marred or scratched during installation. If the header needs to be returned and is damaged, you will be charged for recoat.

JBA uses sealing beads on all its headers. We have found that when installed correctly, the raised bead around each port increases the pressure exerted on the gasket directly adjacent to the port and effectively prevents leaking gaskets. It is normal for the flange to be raised off the cylinder head the thickness of the sealing bead. 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 inside 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 out of their pair of headers.

1. 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 at best. 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.

2. Spray WD-40 or some type of penetrating oil on all accessible fasteners and fittings before attempting to remove them.

3. From underneath the vehicle, loosen the clamps on the exhaust to H-Pipe connection.

4. Disconnect the rear O2 sensors, and the top O2 on the passenger side. Unbolt and remove H-Pipe.

Driver side-

5. Remove the lower bolt from the steering shaft coupler at the power steering rack. Remove the bolt attaching the rack to the frame on the driver's side. Loosen the same bolt on the passenger side. Slide the rack forward on the driver's side approximately 1". Remove steering shaft coupler from the rack.

6. With the engine safely supported, remove the four bolts from the engine mount, on the side of the block, to allow the engine to be raised.

7. Raise the engine approximately 1". Remove the nuts attaching the manifold to the cylinder head.

8. Remove the factory manifold.

9. Remove the exhaust manifold studs from the cylinder head. Remove the dip-stick.

*NOTE-Some installers prefer to retain the stock studs. This is acceptable.

10. Install the original gaskets, with high-temp, sensor safe RTV silicone sealant placing two of the bolts in the top rear two holes. Install the new JBA Header using the supplied bolts w/lock washers. Re-install the dipstick. You will have to space the top mount away from the head using the 3/8 "spacer (nut) provided. Reconnect the steering coupler, move the rack back into place. Replace the mounting bolt and tighten both bolts securely. Lower engine, then replace mount bolts.

Passenger side-

11. With the engine properly supported, remove the motor mount bolts connecting it to the engine block to allow the engine to be raised.

12. Raise the engine, unbolt and remove the manifold. Remove the bolts attaching the starter, then swing starter out of the way.

13. Remove the studs from head, (see note above) and then install the original gaskets with high-temp, sensor safe RTV silicone sealant, placing two bolts in the top rear two bolt holes.

14. From underneath, slip the JBA header into place. Install with hardware supplied. Lower engine. Replace the motor mount bolts, and tighten securely.

15. Re-connect the exhaust.

16. Check to ensure that there is adequate clearance on all brake lines, wire looms, A/C lines, etc.

17. Reconnect the battery.

18. Re-check everything!

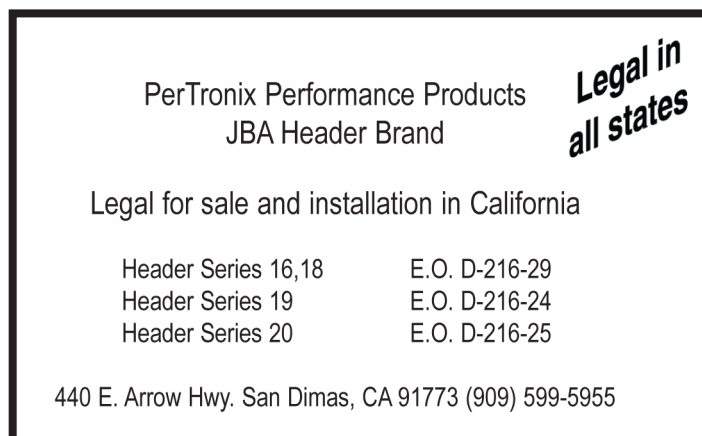
19. Start the engine, check for leaks and test drive. Then let engine cool and then re-torque the header bolts.

20. Periodically check and retighten the header bolts.

Parts List:

- (1) Driver 's Side Header Assembly**
- (1) Passenger 's Side Header Assembly**
- (16) 8mm Header fasteners w/lock washers**
- (4) 3/8 x 2.5 "Collector bolts w/nuts &lock washers**
- (1) Dipstick tube spacer (3/8 "nut)**

*This product is designed to re-use the original manufacturer's gaskets'



This sticker is required to aid in passing the California Smog Check Program.
This sticker must be installed in an underhood location that is readily visible.

LIMITED ONE YEAR 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.

JBA
performance**exhaust**®

