

# JBA<sup>®</sup>

www.jbaheaders.com

**jba performance exhaustco**

## Installation Instructions and Warranty Information

**For JBA Headers 1965-1973  
289/302 Mustang**

**NOTE:** This application is for vehicles with factory power steering. You will need a new bracket to lower the power assist ram mount on the frame. Use JBA bracket part no.6656B or equivalent



P/N 6610S, 6611S

**Read all instructions carefully before attempting installation.**

Rev. 12/06

## **Installation instructions for JBA Cat4ward® Headers P/N 6610S 1965-1973 Mustang 289/302**

**NOTE:** Installation of this product requires an adequate workspace, general mechanic's tools, general mechanical "know-how" and a reasonable degree of experience. Most auto enthusiasts with these resources will have little difficulty installing these headers. However, you should carefully read these instructions before attempting to install these headers. If in doubt, consult a professional mechanic. (Better to do it now than to get stuck halfway through the installation.) This part is certified for use on Emission Controlled Vehicles.

By installing your JBA Performance Exhaust product, you indicate that you have read this document and agree with the following terms.

The Purchaser is responsible for following all installation instructions and safety guidelines supplied with JBA Performance Exhaust products.

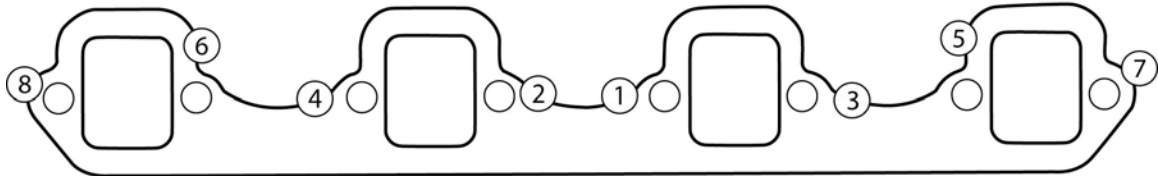
JBA Performance Exhaust assumes no responsibility for damages resulting from improper operation, misuse, abuse, or lack of responsible care, or any problems resulting from incompatibility with other manufacturer's products.

Included with your installation instructions is a copy of the product warranty. Please read it carefully before you begin any work on your vehicle. Should you have any questions about the warranty policy or installation, please give JBA a call at 619 229-7797.

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 important when installing the header, to install all bolts loosely, then tighten evenly to ensure the flat installation of the flange. It is normal for the flange to be raised off the cylinder head the thickness of the sealing bead.

To prevent leakage, it is important to tighten the flanges on *any* set of JBA headers carefully by using the proper procedure. 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, 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. Below is the proper torque sequence for your particular set of headers:



**NOTE:** These headers are designed to clear factory power steering. You will need a new bracket to lower the power assist ram mount on the frame. Use JBA bracket part no. 6656B or equivalent.

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. Disconnect the spark plug wires by grasping and gently twisting the spark plug wire boots. Do not pull on the wires! Brush or blow any debris, which may have collected around the manifolds or spark plugs. This will help prevent foreign matter from entering the combustion chamber when the manifolds are removed. Spray WD-40 or some type of penetrating oil on all accessible fasteners and fittings before attempting to remove them.
3. Typically the exhaust pipes in these early vehicles are corroded to the extent that they are difficult to modify for use with headers. These instructions contemplate the removal of old components and the installation of a new exhaust system by an exhaust shop. These instructions cover only the installation of the headers. The necessary exhaust system modifications should be left to an exhaust shop.

4. Unbolt the driver's side exhaust manifold and remove. Using a small wire brush or similar instrument, clean any carbon deposits left on the head.
5. Apply anti-seize to the header bolts. (Small head 3/8" x 1" bolts and lock-washers included) Apply a thin coat of high temp sealant to both sides of the header gasket (gasket included). Permatex Ultra-Copper High-Temp Sealant is recommended. **Use of a sealer that is not designed to be used with O2 sensors will cause O2 sensors to become inoperative.** (Also note that if excessive sealant is applied, clumps may fall into the exhaust system and may clog the system.) Bolt the header to the head. Torque to factory specifications. Don't forget the lock washers.
6. Unbolt the passenger side manifold and remove. As with the driver side, apply anti-seize, sealant and bolt the header to the engine.
7. Reinstall the spark plug wires and looms taking care not to let any wires rest against the header tubes. Reinstall the battery cable. Make sure all rubber hoses and wires are kept away from the headers. Otherwise, the heat will damage these components.
8. After the exhaust modification, have been made to adapt the headers to your exhaust system, recheck everything! Make sure all bolts are tight.
9. 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.
10. Periodically check and retighten the header bolts.

#### **Parts List**

- (1) Driver 's Side Header Assembly
- (1) Passenger 's Side Header Assembly
- (16) 3/8 "x 1 "header bolts &lock washers
- (2) Header gaskets (Header to Head flange)  
(Starter tubes on some models)

For more information about this and other JBA products visit [www.jbaheaders.com](http://www.jbaheaders.com)

# LIMITED LIFETIME WARRANTY

All products manufactured by JBA are guaranteed to be free from defects in materials and workmanship at the time of sale. All products are guaranteed to fit the intended application, provided the vehicle has not suffered structural damage or other modification\*. Claims for damage occurring during shipment must be made to the carrier. JBA, at its option, will repair or replace any product found to be defective in materials or workmanship.

Failure of any JBA product while on the originally installed vehicle, will entitle the original purchaser to repair, replacement, or pro rata credit according to the following chart:

Up to 2 years from the date of purchase	JBA will repair or replace at its option
After 2 years	JBA will allow credit of 50% of the current price

Certain uses or occurrences listed below will void this warranty.

**PURCHASER ASSUMES RESPONSIBILITY:** JBA expressly disclaims, and the purchaser expressly assumes, responsibility for all labor related costs and any incidental or consequential damages arising from any JBA product installation or failure. JBA's liability is limited to the purchase price of the product. JBA, at its option, may refund the amount of the purchase to end a warranty claim. Labor charges incurred to install or remove the product are not covered. Damage resulting from incorrect timing, fuel system problems, clogged catalytic converters or backfire is not covered. Charges for the loss of use of vehicle, car rentals, and towing are the responsibility of the customer and are not covered. Cost of customer-applied coatings is not covered. As sound preference is subjective, sound is not warranted. Other than the warranty described herein, JBA products are sold "AS IS". No warranty terms are implied. The terms of this warranty are severable. Any provision voided by state or other applicable law shall not act to enlarge other provisions of this warranty except as expressly required by law. Catalytic converters and other products sold but not manufactured by JBA are subject to the product manufacturer's warranty only and are not warranted by JBA.

**THE FOLLOWING WILL VOID THIS WARRANTY:** Use of "heat-wrap" products and/or the use of fuels other than gasoline will void this warranty. Damage caused by improper installation is not covered under this warranty. Damage caused by collision, road hazards, or failure of other components is not covered. Any repair or alteration to a JBA product not performed by JBA or its authorized agents will void this warranty.

**NO FREIGHT WARRANTY:** JBA does not warrant freight. The purchaser will be responsible for freight to and from JBA. Contact JBA to make a warranty claim and to receive a return authorization number. Return the product freight prepaid **along with a copy of the original purchase invoice** and a written description of the problem including the return authorization number to the address below. JBA does not accept freight-collect shipments. A product found to be defective or otherwise covered under this warranty will be repaired or replaced per the above policy and returned freight-collect.

JBA cannot assume responsibility for compliance with local law and regulations regarding smog and noise standards. Headers described as "smog legal" are warranted to be C.A.R.B. (California Air Resources Board) exempt or pending exemption approval. This warranty is extended solely to the original purchaser and for the original vehicle on which the product was installed.

JBA reserves the right to change the design, material, or specifications of any product without notice.

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\* Note that certain custom headers may require different engine mounts or brackets for proper fit.

## Installation Notes

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