



# Installation Instructions and Warranty Information

Ford Small Block Street Rod Headers



Part No. 1615S

Read all instructions carefully before attempting installation.

## Installation instructions for Part No. 1615S

**NOTE:** Installation of this product requires an adequate work space, 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 half-way through the installation.)

These instructions contemplate the removal of old components and the installation of a new exhaust system by a competent exhaust shop. Most cast iron factory manifolds mate to the exhaust pipes in approximately the same location as the JBA Headers. Thus, if you are replacing the factory manifolds and your exhaust pipes are in good shape, the modifications to be performed by a exhaust shop will be relatively minor. If you are replacing conventional headers (which typically exit under the belly near the transmission) with the JBA Headers, more extensive exhaust work will be required. These instructions cover only the installation of the JBA headers. The necessary exhaust system modifications should be left to a competent exhaust shop.

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.

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 and remove the front tires 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. 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.
4. Bolt the header to the head using the supplied gaskets and hardware. Apply anti-seize to the header bolts if installing on aluminum heads. Torque to 30 lbs./in on iron heads, 23 lbs./in on alum. Don't forget to use the lock washers.
5. Unbolt the passenger side manifold and remove. Clean the head surface and bolt the new header to the engine using the supplied gaskets and hardware. Torque to 30 lbs./in on iron heads, 23 lbs./in on alum.
6. 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.
7. The installation of the headers is now complete. The adaptation of the headers to the exhaust system should be left to an exhaust shop unless you have access to tube bending and welding equipment.
8. The headers come with two 3-bolt flanges to be used for connecting the new headers to your exhaust system. Bolts are also included.
9. After the exhaust modification have been made to adapt the headers to your exhaust system, recheck everything! Make sure all bolts are tight.

10. 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.
11. All Tubular Headers require maintenance including 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 (Torque to 30 lbs./in on iron heads, 23 lbs./in on alum. heads)
- (2) Header gaskets (Header to Head flange)
- (6) Collector Bolts & Nuts.
- (2) 3-bolt flanges.

# 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-wran" products and/or the use of fuels

<sup>c</sup> For more information about this and other JBA products visit [www.jbaheaders.com](http://www.jbaheaders.com) <sup>his</sup>  
<sup>v</sup> 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.

Automotive Engineered Products, Inc.  
dba JBA Headers and Performance Exhaust  
7149 Mission Gorge Road, Suite D  
San Diego, California 92120  
(619) 229-7797

Copyright 2005 by Automotive Engineered Products, Inc. All rights reserved.

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

## Installation Notes

## Installation Notes



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