



Corporate Office: PerTronix Inc. 440 E. Arrow Highway, San Dimas, California 91773 * Phone 909.599.5955 • FAX 909.599.6424

Installation Instructions and Warranty Information 6610S, 6611S, 36610S, 36611S 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



This product is Not legal for Street or Off Highway use in California or in states that have adopted California Emissions Regulations and is only intended for Closed Course Competition use, except 1965 and Older US manufactured California Certified vehicles, 1967 or older US manufactured Federally Certified vehicles, or 1967 and older Foreign manufactured vehicles which may have any aftermarket add-on or modified part installed as long as the vehicle can still meet the tailpipe emission standards for the year of the vehicle and retain any original or retrofit crankcase control (PCV) devices and NOx device required for the year of the vehicle.

Read all instructions carefully before attempting installation.

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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.

Installation of these headers 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.)

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)

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.

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