



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

**2007-2011 Jeep Wrangler 3.8
Part # 1528S**



JBA
jbaperformanceexhaustco



The product accompanying this document has been granted a California Air Resources Board (CARB) exemption, an "E.O." number, or is a direct or consolidated replacement part. It is 50-state legal, when installed on the appropriate vehicles per the manufacturer's application guide.

CARB EO # D57-28

Read all instructions carefully before attempting installation.

Rev. 3 2-28-13 DSL

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.

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.)

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.

PerTronix© 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.

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.

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 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, 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 INSTRUCTIONS

NOTE: This installation requires removal of Right Front Fender, to reinstall it is required that you obtain the plastic "T" Fasteners that hold the fender on from the Jeep Dealer. The part # is 68039280AA

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.
2. Disconnect the negative battery cable from the battery.
3. If a lift is not available, raise the front of the vehicle 2 feet or higher 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.
4. Apply penetrating oil on all accessible fasteners and fittings before attempting to remove them.
5. From underneath, remove bolts attaching exhaust pipes to manifolds.

Drivers Side

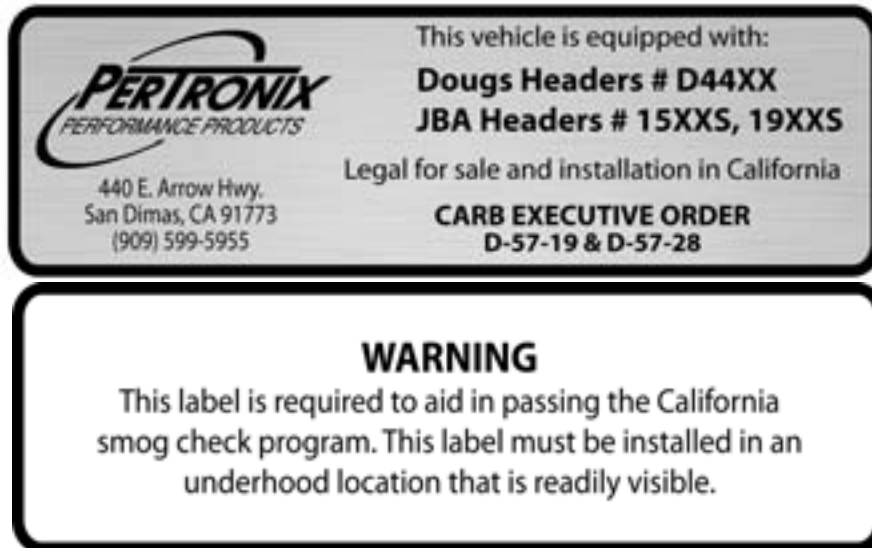
1. Remove bolts attaching heat shields to manifold. Remove heat shields.
2. Remove bolt attaching manifold to cyl. head. Remove manifold
3. The rear two spark plug wires need to be changed. Disconnect the wires from the coil pack noting their position. Remove them from the spark plugs.
4. The new JBA wire with two 90° ends goes on the middle plug, the longer boot goes on the plug end. Route the wire under where the header will go, around to the front, and up to the coil pack. The rear wire will go on later.
5. Install header using the supplied hardware, and re-using the original gasket or a new factory gasket. Apply a little high-temp RTV silicone to the gasket.
6. The rear plug wire can now be installed. The 45° end goes on the plug, and the wire gets routed up over one of the heater hoses, and back to the coil pack.

Passenger side

1. The passenger side is easiest to install with the fender removed. After removing the five small bolts from the under side, and disconnecting the wire for the side light, the fender is held on with plastic "T" fasteners. The back side of the fender is not accessible to release the clips, a healthy pull is required to remove the fender.
2. Remove the bolts attaching the heat shield to the manifold. Remove the heat shields.
3. Remove the bolt attaching the manifold to the head. Remove the manifold.
4. Install header using the supplied hardware, and re-using the original gasket or a new factory gasket. Apply a little high-temp RTV silicone to the gasket.
5. Apply a little high-temp, sensor-safe, RTV silicone to the flare of the exhaust pipes. Re-connect the exhaust to the headers using the hardware provided.
6. Check for adequate clearance on all fuel lines, wire looms, heater hoses, spark plug wires, etc.
15. Re-connect Negative battery cable.
7. Start engine and check for leaks.
8. Replace fender, connect wire for side marker.
9. Test drive and allow to cool down. Check all bolts and re torque as necessary.
9. Headers require periodic maintenance, including re-tightening header bolts. They should be checked every 5000 miles, or when you change the oil.

Parts List:

- (1) Pair of JBA Powercables
- (1) Passenger's Side Header Assembly
- (1) Driver's Side Assembly
- (4) 3/8"-16x2" Bolts
- (4) 3/8"-16x2" Nuts
- (4) 3/8" Lock Washer
- (4) 3/8" Flat Washer



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.



