



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

**For JBA Headers for 2004-2005 Dodge Durango 5.7L
HEMI V-8**



PN# 1962S

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.

Note: It is recommended that you work on one side at a time.

3. Cut the front exhaust pipes in front of the catalytic converters, just in front of the weld.

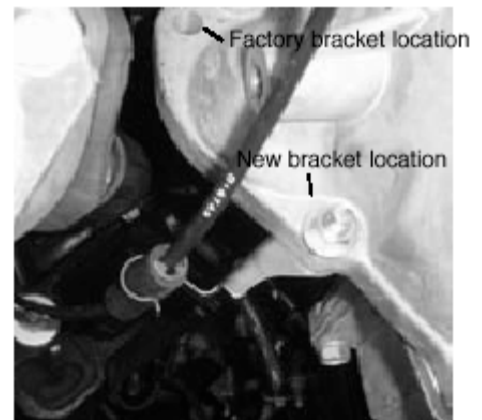
4. Unplug the front O2 sensors. Then unbolt the front exhaust pipes and remove them.

5. Remove the four nuts attaching the heat shields to the manifolds. Then remove the shields.

6. Unbolt and remove the manifolds.

7. Using a wire brush or scraper, carefully clean carbon deposits from head. (Use care not to gouge the head surface.)

8. Relocate transmission cable on the driver's side by unbolting bracket from starter bolt. Reinstall starter bolt. Flip the bracket so the front becomes the back, and the top becomes the bottom. Move the bracket to the lower open hole on the bell housing. Attach the bracket using the hardware provided. (See picture)



9. Install the new JBA Headers using the hardware and gaskets provided. Adjust transmission cable bracket to gain maximum clearance from header.

10. Install new exhaust connector pipes using hardware provided. Align with cat converter, tack weld. Check to insure adequate clearance on floor, torsion bars, trans lines etc.

11. Weld pipes completely.

12. Transfer O2 sensors to new pipes, and reconnect connectors.

13. Check headers to insure adequate clearance on battery cables,wire looms,coolant lines,etc.

14. Reconnect battery cables.

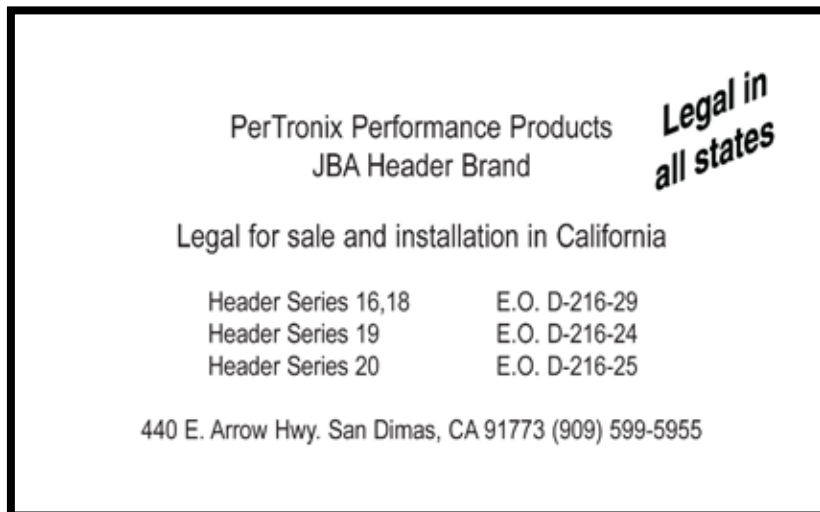
15. Recheck everything.

16. Start engine,check for leaks.

17. We recommend that you re-torque the fasteners on the headers after approximately 100 miles of driving. All tubular headers require maintenance including periodically checking and retightening of the header bolts.

Parts List:

- (1) Driver 's Side Header Assembly
- (1) Passenger 's Side Header Assembly
- (2) Head flange Gaskets
- (17) 8mm -bolts with lock washers
- (6) 3/8 x 2-1/2 bolts with washers and nuts
- (1) 3/8 x 1 1.2 bolt w/washers and nut
- (1) Driver side down tube
- (1) Passenger side down tube



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**®