

JBA performance**exhaust**®

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 1997-2004 Chevrolet
Corvette and z06 LS-1 / LS-6 V-8**



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1817S-3

1817S-4

1817S-5

97-99 with 1-3/4" tube

2000 with 1-3/4" tube

01-04 with 1-3/4" tube

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, per the manufacturer's application guide.

These headers retain all O.E.M. emissions equipment and are covered under the C.A.R.B. E.O. #D-216-29. Included in this kit you will find a label that is required to aid in passing the California smog check program.

Read all instructions carefully before attempting installation.

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 of the jack stands.
2. Spray WD-40 or some type of penetrating oil on all accessible fasteners and fittings before attempting to remove them.
3. From the bottom side of the car, unbolt the catalytic converter assembly from the factory exhaust manifolds and unplug the forward O2 sensors.
4. From above, remove the engine covers by tugging them up on their lower edge, and slipping the left side clear of the braided line. Remove the right side by unscrewing the oil cap and then tug up on the lower edge. Remove the spark plug wires, and spark plugs.
5. Next, unbolt the AIR tube fittings from the manifolds. Unhook the left one from the rubber hose and remove it from the car.
6. Now unplug the gang connectors from the coil packs and unbolt the metal coil pack brackets from the valve covers. (5 bolts each)
7. Remove the bolts attaching the manifolds to the heads (6 each side). Then remove the manifolds from the car.
8. Remove the O2 sensors from the factory manifolds and swap them into the new JBA Headers. (Apply a small amount of anti-seize compound to the threads of the O2 sensor before installing)
9. From above, install the new JBA Headers using the supplied bolts, lock washers and gaskets (Apply a small amount of anti-seize to the threads of the bolts before installing on aluminum heads.) Torque to 13 lbs./in on aluminum heads.
10. Re-install the spark plugs, and plug wires. Reinstall coil packs. Attach gang connector. Reconnect O2 sensor connectors.
11. Using the supplied gaskets and hardware provided, re-attach AIR tubes to header.
12. Apply a small amount of hi-temp, sensor safe, RTV silicone sealant on the flare of the exhaust pipes. Now reconnect the catalytic converter assembly to the new headers using the provided fasteners and torque to 35 lbs./in.
9. Recheck Everything! Check for adequate clearance everywhere on brake lines, etc.
10. Reconnect the battery cable and install engine covers.
11. 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.
12. Periodically check and retighten the header bolts.

Parts List:

- (1) Driver 's Side Header Assembly**
- (1) Passenger 's Side Header Assembly**
- (12) 8mm -1.25 x 25mm Header bolts (Torque to 13 lbs./in on aluminum heads)**
- (2) Header gaskets**
- (6) Collector bolts, nuts and washers (Torque to 35 lbs./in)**
- (2) Air tube gaskets**
- (4) 8mm -125x25 bolts for AIR 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.

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