

# **JBA** performance**exhaust**®

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## **Installation Instructions and Warranty Information**

2005-2010 Toyota Tacoma 4.0L V-6

2007-2009 Toyota FJ Cruiser 4.0L

2005-2006 Toyota Tundra 4.0L



### **Part #2035S**



**WARNING:** The product accompanying this document is legal only for off-highway use (except in California or states that have adopted California emission standards), racing use or for use on pre-emission-controlled motor vehicles/motor vehicle engines (pre-1966 domestic vehicles certified to California standards, pre-1968 domestic vehicles certified to federal standards and all pre-1968 foreign vehicles), per the manufacturer's application guide.

**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.

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 of the exhaust. 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. Then unbolt and remove the front wheels.

2. Spray WD-40 or some type of penetrating oil on all accessible fasteners and fittings before attempting to remove them.

#### **Driver side:**

3. From underneath the truck, loosen both sides of the exhaust from the catalytic converter assembly.

4. Remove support bracket bolt from cat. assembly.

5. Remove support bracket bolt from side of bell housing.

6. Remove the six nuts from the manifold/cat. assembly.
7. Swing support bracket back out of the way.
8. Lower manifold/cat. assembly from vehicle.
9. Cut manifolds from cat assembly just below the weld. (see picture)
10. For best performance gain, expand the catalytic converter neck to fit just inside the collector.
11. Install the header temporarily with the gasket, making sure not to tighten it completely just yet.
12. Install the cat assembly into the header and connect the bracket, and rest of the exhaust.
13. Tighten and snug all fasteners securely.
14. Tack weld the cat to the collector in three or more places.
15. Remove exhaust and brackets.
16. Remove header/cat assembly.
17. Add a couple or more tack welds then weld completely.
18. Re-install header using supplied gasket and original nuts.
19. Re-connect support bracket.

**Passenger side:**

20. Unbolt and remove passenger side manifold/cat assembly; cut just below the weld.
21. For best performance gain, expand the catalytic converter neck to fit just inside the collector.
22. Install the header temporarily with the gasket, making sure not to tighten it completely just yet.
23. Install the cat assembly into the header and connect the bracket, and rest of the exhaust.
24. Tighten and snug all fasteners securely.
25. Tack weld the cat to the collector in three or more places.
26. Remove exhaust and brackets.
27. Remove header/cat assembly.
28. Add a couple or more tack welds then weld completely.
29. Re-install header using supplied gasket and original nuts.
30. Re-connect support bracket.

**Parts List:**

- (1) Driver Side Header Assembly
- (1) Passenger Side Header Assembly
- (2) Header gaskets (Header to Head flange)

### **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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