



Installation Instructions and Warranty Information Chevrolet & GMC Trucks 4.3 V6

1842S-10

2014-16 Silverado/Sierra



This Product has been granted a California Air Resources Board (CARB) "E.O" (Executive Order) Exemption, or is considered a Direct Replacement or Consolidated Replacement part. It is 50 State Legal when installed on the appropriate vehicle per the Manufacturer Application guide and Installation Instructions.

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 similar on all accessible fasteners and fittings before attempting to remove them. Unbolt the manifold flange from the exhaust Y-Pipe. The Y pipe can stay connected to the exhaust system.
3. Remove the plastic covers that are on top of the valve covers. These just pull off in an upward manner. Remove the spark plug wires and the spark plugs. Remove the bolt that holds the dipstick to the motor.
4. Unbolt the pinch bolt that holds the steering shaft to the steering gear and move the shaft out of the way.
5. Unbolt the factory manifolds from the cylinder heads and remove the manifolds. They will lift out from the top. The Driver's side manifold will have a donut gasket pushed into the manifold, remove this for re-use.
6. Remove any carbon deposits left on the exhaust flange-mating surface of the head. Thoroughly clean the surface with solvent or another cleaner. Remove the doughnut-shaped gasket from the lower flange (where the manifold bolts to the exhaust system).
7. Insert the donut gasket into the driver's side header - it should be a tight slip fit. If it won't slip in, file the inside of the collector flange slightly until it does seat all the way.
8. Using the supplied fasteners, bolt the Header to the Y pipe, 2" bolts on the drivers side, and 1.5" on the passenger side. Reuse the factory gaskets on both sides.
9. On the passenger side, you will need to replace the spark plug boots on the first and third plug wires (cylinders 2 & 6) with the JBA supplied 90° terminal and boot. Reinstall spark plugs and wires.
10. Bolt the steering shaft back in place. Bolt the dipstick back to the motor. Reinstall the plastic coil covers.
11. Recheck everything!
12. 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.
13. Periodically check and retighten the header bolts.

Parts List:

- | | |
|--------------------------------------|--|
| (1) Driver's Side Header Assembly | (2) 90 degree spark plug boots and terminals |
| (1) Passenger's Side Header Assembly | (8) 8mm header bolts & lock washers |
| (2) Header gaskets | (1) CARB EO Sticker |
| (3) 3/8 X 1.5" Hex Head Bolts | (6) 3/8" Lock Washers |
| (3) 3/8 X 2" Hex Head Bolts | (6) 3/8 Hex Nuts |

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**®