



Installation Instructions

Part # 6816S

2016-17 Camaro 6.2 LT



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This Product is **ILLEGAL** for Street or Off Highway use and is only intended for Closed Course Competition use, Except for 1965 and older US Manufactured, California Certified vehicles; 1967 and older US Manufactured, Federal Certified vehicles, or 1967 and older Foreign Manufactured vehicles, which may have this product installed as long as the vehicle still meets emissions standards for the year of the vehicle and retains any original or retrofit emissions control devices, including EGR, A.I.R and any NOx device required for the year of the vehicle.

⚠ WARNING:

This product can expose you to chemicals including Lead, Nickel, Cadmium and Chromium which are known to the State of California to cause cancer and birth defects or other reproductive harm.

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 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.

3. Disconnect the negative terminal of the battery (located in the truck on the passenger side)
4. Remove the coolant overflow tank. Disconnect the battery cable that clips to the tank. Pinch off the Large coolant hose on the backside of the tank with an appropriate clamp. Remove the two bolts that hold the tank to the inner fender. Remove the hose clamp attaching the large hose to the tank then slip the hose off the tank and quickly lift the tank up and towards the front of the car with the hose nipple pointing upwards - this way you should not lose and amount of coolant.
5. Remove the snap on Engine Cover, vent hose, and then remove the coil pack covers.
6. Remove the Air Box and intake hose and set aside.
7. Remove the Heater Hose bracket bolt from the from of the cylinder head.
8. Remove both side manifold heat shields.
9. Remove all Speak plug wires and Spark Plugs.
10. Remove the O2 Sensors from the manifolds and mid pipes, then disconnect the cats from the exhaust manifolds.
11. Loosen the oil dipstick and remove the Exhaust manifold to cylinder head bolts and then remove the manifolds from the car along with the dipstick. Clean the cylinder head surface where the manifolds bolt up.
12. Mark the steering shaft position at both ends and then remove the steering shaft.
13. Remove the starter motor heat shield.
14. On the Passenger side, Unclip the Coil Packs from the valve cover and then remove the Passenger side Valve Cover.
15. Install the Passenger side header from the top by holding the heater hoses towards the fender and slipping the header into place. Bolt the header to the head using the supplied gasket, Header Bolts and Washers. Don't forget to reinstall the oil dipstick tube at this time, you may have to bend the mounting tab. We recommends a light amount of Anti-seize on the header bolts, then tighten evenly working fro the center out.
16. Reinstall the passenger side Valve cover and coil pack.
17. Install the Driver's Side header from Below. Bolt to the head using the supplied gasket, Header Bolts and Washers with Anti-seize as on the passenger side.
18. Re-Install the steering shaft taking not of locations that you marked during removal.
19. Reinstall starter heat shield.
20. Reinstall O2 sensors on both sides using sensor safe Anti-seize being careful to not get any on the probe and this can cause the sensor to fail. You will need to unclip the harness for the sensors to reach the new location.
21. Reinstall spark plugs, spark plug wires, coil covers, vent hoses, and engine cover.

22. Reinstall the Air Box and Intake hose.
23. Reinstall the coolant tank and hook up the hose. Top off coolant level if necessary.
24. Reinstall Heater hose bracket to cylinder head.
25. These headers are designed to be used with JBA 6816SD or 6816SDC Mid Pipes. Install those now or custom make hook ups to the exhaust system.
26. Check for clearance on passenger side header for brake line clearance, move brake line if necessary. Check that all wiring hoses etc. are clear of headers and exhaust.
27. Start engine, check for leaks and test drive. Then let engine cool and re-torque header bolts.
28. Periodically check and retighten header bolts.

Parts List:

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| (1) Driver's Side Header Assembly | (12) 8mm-1.25 x 25mm Header bolts w/lock washers |
| (1) Passenger's Side Header Assembly | (2) V-Band reducers |
| (2) Head flange gaskets | (2) V-Band Clamps |



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