



PERFORMANCE EXHAUST

A PerTronix Performance Brand ~ www.pertronixbrands.com ~ 909 599-5955

Installation Instruction & Warranty Information

Chevrolet & GMC Pickups & Suburban 5.0/5.7

1830S-4 ~ 1987-91 W/O AIR Inj.

1830S-5 ~ 1987-91 W/ AIR Inj.

1830S-6 ~ 1965-86 Carbureted

Cat4Ward® Headers



This product has been granted a California Air Resources Board (CARB) Executive Order (EO Number) Exemption. It is 50 State Legal when installed on the appropriate vehicle per the Manufacturer's Application Guide and Installation Instructions.

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. For more information go to www.P65Warnings.ca.gov

PLEASE READ BEFORE PROCEEDING

PerTronix® thanks you for choosing a JBA Performance Exhaust Product. To realize the potential of JBA's engineering and excellent fit, Please Read and Understand these instructions completely prior to starting the installation.

Check that you received all the parts listed on the parts list, if you have any concerns, please contact PerTronix before continuing. Headers will have the part number stamped in the flange.

Work Smart – Work Safe! Most Header and Exhaust Installation are best performed on a lift. If a lift is not available, raise the vehicle and support on quality Jack Stands on level ground. Do not rely on a jack!

We use sealing beads on all our headers. The raised bead creates a better seal virtually eliminating leaks if installed properly. It is important to install all header bolts lightly snug and then tighten to factory torque specs starting in the center and working outward.

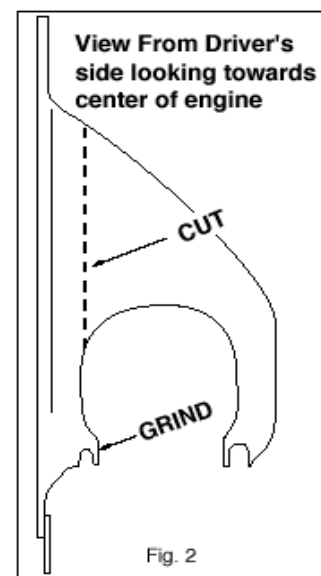
Before starting, allow the vehicle to cool, disconnect the battery, and spray a penetrating oil on all hardware and fittings that will need to be removed. Once you remove your manifold, clean the sealing surface on the head of any old gasket debris or carbon build up.

SPECIAL TOOLS NEEDED:

Power Steering Pump Pulley Puller. Snap-On® # CJ117A or Lisle par no. 40000

Power Steering Pump Pulley Installer. Snap-On® # CJ113B101 or equivalent.


1. Do not attempt to work on a hot engine. Raise the front of the vehicle to obtain adequate access to the bottom exhaust manifold flanges.
2. Spray penetrating oil on all accessible fasteners and fittings before attempting to remove them.
3. From underneath the vehicle disconnect the Y-pipe from the exhaust manifolds.
4. On the drivers side, remove the spark plugs and plug wires.
5. On serpentine belt equipped trucks, the Power Steering bracket interferes with removal of the driver's side exhaust manifold. The power steering pump must be freed from its bracket in order to remove the driver's side manifold. The steel bracket is fastened to the exhaust manifold studs on both sides of the front exhaust port. The studs cannot be removed until the bracket is pulled outward from the engine. Remove the top half of the fan shroud. Remove the serpentine belt. Using a pulley remover, remove the power steering pump pulley. Remove the three bolts on the front of the power steering pump. Remove the bolt going from the black steel bracket into the back of the alternator. Remove the nuts holding the black steel bracket to the head on both sides of the number one exhaust port. The black steel bracket will still be attached to the back of the power steering pump. The pump assembly should be loose enough to wiggle outward from the engine such that the remaining two nuts holding the steel bracket to the back of the pump can be removed. Remove the steel bracket. Using a hack saw, abrasive cut-off wheel, or band saw, cut the bracket as shown in figure 2. Grind the bracket for clearance as indicated. Clean up the edges with a file or sander and repaint.



6. Remove the remaining exhaust manifold bolts and remove the exhaust manifold and gasket. If your truck has AIR Injection, remove the hose connecting it to the manifold tubes.
7. Clean the exhaust manifold head surface of old gasket debris and carbon deposits.
8. Install the headers using the supplied gaskets and hardware. Tighten to factory specifications.
9. On applications with air injection tubes, remove the air injection tubes from your manifolds and install them on the new headers and reconnect the hose.
10. Repeat for the passenger side.
11. Re-install the spark plugs and plug wires using the included straight boot on the #5 cylinder (driver side, 3rd cylinder back) with the heat shield slipped onto boot, spring end out and original 90° boots on all the others. NOTE: Spark plug access on the passenger side is limited. We suggest using an offset box wrench or a modified plug socket for installation.
12. On applications with heat riser (flapper valve), use a replacement for a big block Chevy truck such as a Maremont part #X-1059 (std. 2-1/2) or X-1059 W.V. (with vacuum diaphragm). This is required to remain emissions legal.
13. Reconnect your exhaust system using the provided hardware or have a new system installed to further improve the exhaust flow.
14. Check to make sure there is adequate clearance on plug wires, battery cables, wire looms, brake lines, etc. Re-connect battery cables.
15. 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.
16. 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) Header gaskets (Header to Head flange) | (12) 3/8" x 1" header bolts & washers |
| (6) 5/16" Collector Bolts, Washers, Locknuts | (2) Three bolt flange (1830S-6 only) |
| (1) #20 Hose clamp | (1) Three bolt gasket (1830S-6 only) |
| (1) Spark plug shielded boot and terminal | (4) 1/4-20 x 1" Bolts |
| (1) 1-1/2" Heat Stove | (1) 2" Heat Stove |
| (1) CARB EO Sticker | |

**PERTRONIX**
PERFORMANCE PRODUCTS

440 E. Arrow Hwy.
San Dimas, CA 91773
(909) 599-5955

This vehicle is equipped with:
Dougs Heaters # D66XX
JBA Header: # 15XXS

Legal for sale and installation in California

CARB EXECUTIVE ORDER
D-57-27, D-57-31

WARNING

This label is required to aid in passing the California smog check program. This label must be installed in an underhood location that is readily visible.

JBA LIMITED 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.