



A PerTronix Performance Brand ~ [www.pertronixbrands.com](http://www.pertronixbrands.com) ~ 909 599-5955

## Installation Instructions & Warranty Information

D522 ~ 1968-72 Pontiac GTO/LeMans

400-455 HO/SD

Long Tube Headers

NOTE: These headers will ONLY work with Ram Air II/IV, Super Duty, HO, and Edelbrock Performer RPM Heads.

NOTE: Will NOT work with Air Conditioning.



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### PERTRONIX PERFORMANCE BRANDS EMISSIONS CODES

This Product Is considered a Replacement Part per CARB and EPA regulations for emissions compliance and is legal for sale and use on specified vehicles in all 50 states as stated in Manufacturer's Application Guide and Installation Instructions.

REV 3/2022

#### **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](http://www.P65Warnings.ca.gov)

REV. 8 5-9-22 DSL

## ***PLEASE READ BEFORE PROCEEDING***

PerTronix® thanks you for choosing a Doug's Headers Product. To realize the potential of Doug's Headers 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.

Many factors affect the installation of exhaust headers, including worn or aftermarket motor mounts, previous accident damage, aftermarket cylinder heads that may have relocated port or spark plug locations, suspension and steering changes, sagging of original unibody structures due to age.

Coating Notes: Coatings can be marred during installation if you are not careful. If you are breaking in a new motor, the extreme heat can alter the appearance of the coating and this is not a warranty issue. We recommend breaking in new motors with stock manifolds or an old set of headers.

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.

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!

### DISASSEMBLY

1. Disconnect the headpipes from the manifolds and move them out of the way.
2. Remove the 6 manifold bolts from each manifold, remove the manifolds from the car.
3. Remove the gaskets and any gasket material or any carbon deposits that remain on the head surface.
4. Remove the Starter Motor, Clutch Linkage, Transmission/Key Interlock, Oil Filter and Oil Filter housing.

## INSTALLATION

1. Place a jack under the oil pan, with a block of wood to prevent damage to the pan. Loosen the rear transmission mount bolts. Remove the Passenger side motor mount bolt and nut. Raise the motor approximately 1". Check that the motor mount to cross member bolts are installed with the bolt heads on top and the nuts underneath, if not they will need to be reversed.
2. Starting from below, slide the passenger side header into position.
3. Lower the motor and replace the motor mount bolt and tighten.
4. Slip the gasket between the header and the head and start all of the supplied header bolts and special lock washers starting with the 4th one from the front as it has restricted clearance. Do NOT tighten.
5. With the header loose, install the oil filter housing and the oil filter.
6. Tighten the header bolts starting with the 4th bolt, drawing the header up to the head and then tightening the remainder of the bolts.
7. Check the motor mount to cross member bolts on the driver's side and make sure that they are installed in the same manner as the passenger side as described above.
8. The brake junction/distribution block will end to be relocated from the inside of the frame to the top side to allow adequate clearance for the header. Make sure this is done properly to ensure not braking problems; it may require new longer brake lines.
9. Starting from below, slide the driver's side header into position.
10. With the header loose in the chassis, reinstall the starter motor.
11. Slip the gasket between the header and the head, install the rear center port bolt (4th bolt hole from the front) a couple of threads into the cylinder head. Slip the Slotted bolt hole in the header over that bolt, slide the header backwards and start all of the supplied header bolts and special lock washers starting with the 4th one from the front as it has restricted clearance.
12. Reinstall the Clutch linkage and Transmission/Key interlock.
13. Tighten the header bolts starting with the 4th bolt, drawing the header up to the head and then tightening the remainder of the bolts.
14. Install the supplied reducers using the gaskets and hardware.
15. Cut the headpipes to match the reducers if the original exhaust is to be used.
16. Reinstall the sparkplugs and plug wires.
17. Connect the negative battery cable.

## IMPORTANT CHECK LIST

- Be sure that all brake lines, transmission lines, and fuel lines are clear of headers and/or connector pipes.
- All spark plug wires, battery cables, or other electrical components should be clear of headers and/or connector pipes.
- If dipstick tube was removed, make sure it is installed properly and that the dipstick has been replaced.
- Double-check the tightness of all bolts including brackets and accessories.

## START THE ENGINE

Start the engine and allow it to warm up to operating temperature. Check for any unusual noises or exhaust leaks. If everything is OK, stop the engine and tighten all bolts while the engine is still warm. **NOTE:** Check the bolts periodically to make sure they have not loosened. Re-tighten after the first 500 miles and then again at 1000 miles

### PARTS LIST:

1	Left Side Header	1	Right Side Header
2	Header Gaskets	2	3 ½" Reducers
2	3 ½" Reducer Gaskets	12	3/8-16 X 1", Header Bolts
6	3/8-16 X 1 1/4" Collector Hex Head Bolts	6	3/8-16 Hex Nuts
18	3/8" Internal Lock Washers		
2	Doug's Stickers		

## DOUG'S HEADERS LIMITED WARRANTY

All Doug's Headers and Exhaust products are guaranteed, to the original purchaser, to be free of defects in material and workmanship for one year from date of purchase. This warranty covers the replacement or repair of the product and does not cover the cost of removal and installation, customer applied 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 rust occurring after installation is not covered by the warranty. This warranty extends only to the original purchaser.

Should a part be deemed defective, it should be returned to the original selling retailer and must be accompanied by the sales receipt. If there is no retailer in your area, contact PerTronix direct for a return authorization and return the part prepaid to the factory for inspection. PerTronix reserves the right to replace or repair the alleged defective part and return the part freight collect.