



HEADER INSTALLATION INSTRUCTIONS

Corporate Office: PerTronix Inc. 440 E. Arrow Highway, San Dimas, California 91773 * Phone 909.599.5955 * FAX 909.599.6424 * www.patriotexhaust.com

Part #H8302 & H8302-1 1967-69 Pontiac Firebird / Trans Am (326-400) Does NOT fit Column shift vehicles



This product is Legal for use on 1974 and older non catalyst equipped vehicles and is considered a “replacement part” per California Air Resources Board regulations, as long as ALL emissions sensitive components are retained, including A.I.R., EGR, Heat Risers etc. Failure to retain any of these components, or use on any 1975 or newer catalytic converter equipped car would render this product Illegal for Street or Off Highway Use in California, or in states that have adopted California Emissions regulations and may only be used for Closed Course Competition.

PerTronix® thanks you for choosing **Patriot Headers**, the best value for the dollar of any brand in the industry.
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.

DISASSEMBLY

1. Disconnect the negative battery cable from the battery.
2. If a car lift is not available, raise the vehicle 2 feet or higher and support with adequate safety stands. Make sure the vehicle is on a flat solid surface and is stable.
3. Remove bolts attaching head pipes stock manifolds, then remove the stock manifolds from the car.
4. Remove the Clutch Linkage on Manual transmission equipped cars.
5. Remove the Oil Filter.
6. Remove any remaining gasket or carbon deposits from the head surface. The use of a gasket scraper and or a gasket removal product may help. Be careful not to get any pieces in the ports or spark plug holes.

INSTALLATION

1. Starting on the Driver's side, slip the header roughly into position from the bottom. You will have to move the stock head pipes out of the way if you haven't already done so.

2. Using the supplied 3/8-16X3/4" Header bolts, slip the gasket in place and start header bolts. Leave bolts loose at this time. *Some Original Pontiac Heads do NOT have a bolt hole at one end. This MUST be drilled and tapped to ensure good gasket sealing.*
3. Re-install clutch linkage.
4. Tighten all header bolts evenly and torque to 35 ft. lbs. on cast iron heads.
5. Passenger side, slip the header roughly into position from the bottom. You will have to move the stock head pipes out of the way if you haven't already done so.
6. Using the supplied 3/8-16X3/4" Header bolts, slip the gasket in place and start the header bolts at each end of the flange. Do NOT tighten at this time.
7. Replace the Oil Filter.
8. Tighten all header bolts evenly and torque to 35 ft. lbs. on cast iron heads.
9. If reusing the existing exhaust system cut and modify as necessary to connect to the headers using the supplied Patriot Reducers.
10. Connect the negative battery cable.

IMPORTANT CHECK LIST

- Be sure that all brake, fuel, and transmission lines are clear of headers and exhaust 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.

STARTING THE ENGINE

Start the engine and allow it to warm up to operating temperature. Check for any unusual noises or exhaust leaks. If every thing 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

| Qty | Description |
|-----|-------------------------------------|
| 1 | Left side header |
| 1 | Right side header |
| 2 | Header gaskets |
| 2 | Collector reducers |
| 2 | 3" collector Gaskets |
| 12 | 3/8-16X3/4", Header bolts |
| 6 | 3/8-16 x1" Collector Hex head bolts |
| 6 | 3/8-16 Hex Nuts |