

Bassani® Xhaust

Bassani Mid Length Headers for 4.6L Mustang*

PART #'s

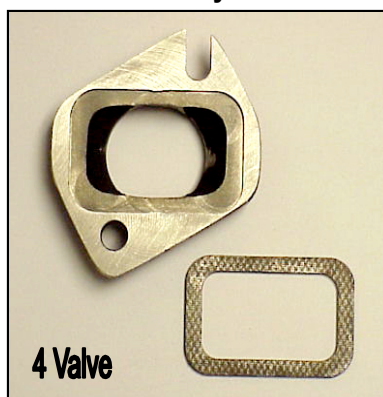
**4602V* for 2V 96-03,
46046C* for 4V 96-97,
46049C* for 4V 99-04**

WARNING! DO NOT WELD THESE
HEADERS, WARRANTY WILL BE VOIDED

WARNING! Warranty of this product is
Void if components are altered in any other
condition other than originally received.

Fit Bassani Modular X pipes ONLY***

*Manual Transmission Only.



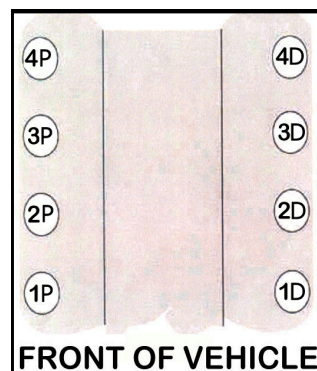
Please take a few minutes to read these instructions before beginning the installation.
If you feel that you cannot perform this installation after reading the instructions,
please take your vehicle to a dealer or qualified service shop in your area.

BASSANI HEADERS PARTS LIST

- 8 ea. Header Tubes
- 2 pcs. 4 into 1 Collectors
- 16 ea. Header Bolts- 8mm
- 4 ea. 7/16 Studs & Nuts
- 2 ea adaptors with 2 bolt flanges (Dvr. 9_" & Pass 8_")
- Gaskets
4 Valve Rectangular Gasket inserts 8pcs.
2 Valve Bassani SS Comp Gasket Part #4654
- 2 Tubes of Bassani Anti Seize Jet Lube
- Instructions

TOOLS REQUIRED

- Wrenches**
- 1-12 point + 5/16 Wrench
 - 1-10 mm wrench
 - 1-13 mm wrench
 - 1-21 mm wrench
- Sockets**
- 1-12 point 5/16 3/8 & _ drive
 - 13, 14, 15 & 21mm
- Sockets may be needed in both shallow & deep depending on access to fastener head.



INSTALLATION INSTRUCTIONS

- Disconnect the battery.
- Safely raise & support vehicle to a comfortable working height. (One jack stand at each corner of vehicle.)
- Spray attaching hardware and base of o2 sensors with WD40 or similar Lubricant. Remove O2 sensors from stock system. (Be careful not to damage or contaminate sensor). Stock gasket will be re-used upon assembly.
- Remove both connector tubes between stock exhaust manifold and Bassani Modular X pipe. It may be necessary to loosen downstream clamps on the Bassani Modular X pipe.
- Loosen EGR fitting on drivers side exhaust manifold. It will be necessary to remove nuts from the motor mounts at the K member to jack engine up. **Motor mount heat shields have to be removed.**
- Loosen & remove both exhaust manifolds. **2 valve, stock manifold gaskets, depending on condition, may be re-used.** Remove studs from both sides. Use supplied, and/or stock hardware. See note following #10.
- Label wiring on starter and remove it. (Will be necessary for header installation)
- You may also need to remove oil filter to ease installation and tightening on drivers' side.
- IMPORTANT!** It will be necessary to unbolt steering shaft from rack. With a marker draw a straight line on shaft down to rack to index them both. Do not move front wheels or steering wheel.
- It will be necessary to lift engine up enough to slide header tubes in and have access to install supplied header bolts. After loosening motor mount bolts, lifting engine (using a wooden block under oil pan) and removing motor mounts, one side at a time only, will ease installation. Removal of motor mounts is not mandatory.
**Anti seize must be applied to all threads (header bolts and studs). It may be necessary to use a combination of header bolts and stock studs & nuts on certain tubes due to clearance between the tube and hardware. ie; stud nut or header bolt. The use of either is the installers preference.
- Start on passenger side, with tube #1R. Push as far forward as possible to allow clearance for #2R. Once #2R is in position, install gaskets, and header bolts. When this is completed commence installation of #3R and #4R tubes following previous procedure. Leave bolts loose, **DO NOT TIGHTEN UNTIL COLLECTOR IS INSTALLED.**
- When Collector **R** is ready for right side, place *Bassani anti seize jet lube*, on slip connectors to ease installation. When collector lines up with tab on header tube, fasten them together and tighten all header tubes.
- When all hardware is properly tightened, lower engine, re-install motor mount hardware, starter and O2 sensors in collector. The use of *Bassani anti seize Jet Lube* is recommended on O2 sensor threads. Do not to contaminate O2 sensor bulb with lube.
- Proceed to drivers' side. Install #1L with gasket installed. Install supplied fasteners with *Bassani anti seize jet lube* on the threads. **DO NOT TIGHTEN ALL THE WAY**, leave semi loose. Install tube #3L, then #2L. You will need to experiment with pipes #2L and #3L. #2L will slip between #3L and #1L. Now install #4L, fasten and screw air fitting to tube #4L. Install Collector **L**. When collector tab lines up with header tab, tighten all hardware, and bolt on EGR, and any smog fittings. Lower engine and re-install motor mount hardware. Reconnect steering shaft using loctite 271 thread locker on bolt.

Note: Recheck the tightness of all header hardware after one day of operation to ensure correct torque.

*****These headers are longer than stock manifolds, and are designed for direct bolt up to Bassani's 5 piece Modular X pipes for 2003 Cobra ONLY. Any other applications listed above may require cutting and/or welding of mid (cat/offroad) X pipes.**

* "Not for sale or use on pollution controlled motor vehicles."

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