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HEADER INSTALLATION INSTRUCTIONS

PART NUMBER: H8059

88-98 Chevy/GMC Pickup 1500, 2500, 3500 2 & 4WD

92-96 Chevy/GMC 3500 Crew Cab & Dually 2WD

92-96 Blazer/Jimmy/Suburban/Yukon/Tahoe 2WD

92-96 Blazer/Jimmy/Tahoe/Yukon 2 Door 4WD

265-400 SBC

PerTronix® thanks you for choosing *PATRIOT Exhaust Products*, 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.

WARNING: These headers are legal for Off Highway use (except in California or states that have adopted California emission standards) or Racing use (which may never be used on a Highway) Only. Not legal for highway use on any emissions controlled vehicle!

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 and Catalytic converters to stock manifolds. Move out of the way to allow header installation.
4. Remove the spark plug wires, spark plugs, and spark plug heat shields (discard shields).
5. Remove the Oxygen sensor from the left side pipe, save for reinstallation.
6. Remove the oil dipstick tube, alternator, power steering pump and any brackets mounted to the exhaust manifolds.
7. Remove the air injection system and diverter valve; these headers have no provision for A.I.R. so the system will have to be removed from the vehicle.
8. Remove the exhaust manifolds from the vehicle.

9. Remove the gaskets and any gasket material or any carbon deposits that remain on the head surface. The use of a gasket removal agent will ease the removal of any gasket material.

INSTALLATION

1. Starting on the passenger side, remove the motor mount through bolt and jack the motor up 2-3". Be sure to use a flat piece of wood between the oil pan and jack to prevent damage to the oil pan.
2. Apply a THIN film of Ultra Copper Hi-Temp, **Sensor-Safe** Silicone Sealer to each side of one header gasket and stick the gasket to the passenger side header flange.
3. From below, slip the right side header and gasket into place and use two bolts to loosely hold it in place.
4. Lower the motor back onto the mount, reinstall and tighten the motor mount bolt.
5. Replace the dipstick using the original stud and supplied spacer. Install the supplied bolts and washers in the remainder of the bolt holes. Torque to 35 lbs/ft. Tighten the center two bolts first and then work your way out.
6. Apply a THIN film of Ultra Copper Hi-Temp, **Sensor-Safe** Silicone Sealer to each side of one header gasket and stick the gasket to the driver's side header flange.
7. From below, slip the left side header and gasket into place and use two bolts to loosely hold it in place.
8. Modify the alternator/power steering bracket as shown in the illustration. Install the bracket using the stock studs and supplied spacer.
9. Install the supplied bolts and washers in the remainder of the bolt holes. Torque to 35 lbs/ft. Tighten the center two bolts first and then work your way out.
10. Install the alternator and power steering pump.
11. Install the oxygen sensor into the left side header, using a small amount of anti seize on the threads. Be careful not to get the anti seize on the probe as this could damage it causing poor performance and rough running. Hook up the Oxygen sensor wire.
12. Reinstall the spark plugs and spark plug wires
13. Cut and weld your exhaust system to the supplied reducers to complete your installation.
14. Connect the negative battery cable.

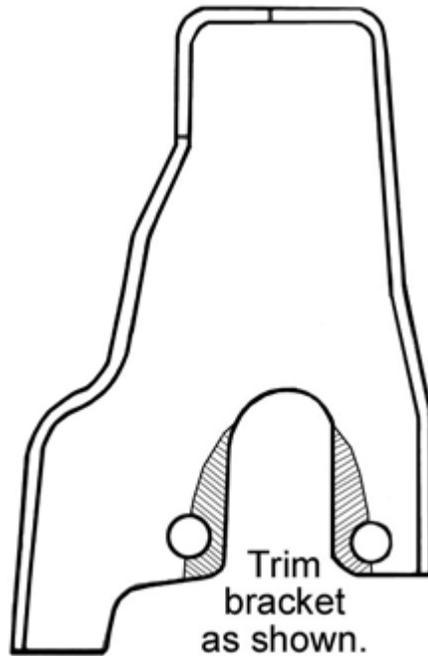
IMPORTANT CHECK LIST

- Be sure that all brake 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.

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.



Bracket modification illustration

PARTS LIST

<u>Qty</u>	<u>Description</u>
1	Left Side Header
1	Right Side Header
2	Header Gaskets
2	Reducers
2	Reducer Gaskets
12	3/8-16x3/4" Header Bolts
2	Steel Spacers, 3/8" I.D. X 5/8" O.D. X 1 1/4" Long
6	3/8-16 X 1 1/2" Collector Hex Head Bolts
6	3/8-16 Hex Nuts