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HEADER INSTALLATION INSTRUCTIONS

Part #H8080

GM E-Rod Motor Cat4Ward Headers

To be used with the following GM Crate Engines, part #1927456, 19257460, 19257230, 19257234, 19258004, and 19258008 that carry
EO # D-126-30, D-126-31, D-126-32, and D-126-33

For use in 1995 and Older passenger cars and light duty trucks.

These are a direct manifold replacement that retains the
factory Catalytic Converter in the original placement.



This Product has been granted a California Air Resources Board (CARB) "E.O" (Executive Order) Exemption, or is considered a Direct Replacement or Consolidated Replacement part. It is 50 State Legal when installed on the appropriate vehicle per the Manufacturer Application guide and Installation Instructions.

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. Un Plug the front and rear O2 sensors from the harness.
4. Remove the bolts connecting the catalytic converters to the manifolds and remove the cats from the manifolds.
5. Remove the bolts attaching the heat shields to the manifolds and the bolts holding the manifolds to the heads. Remove the manifolds and gaskets. Make sure the mating surface of the cylinder head is clean before starting installation.

INSTALLATION

1. Bolt the Patriot Headers to the heads using the supplied header bolts and gaskets.
2. Torque the bolts to 18 ft. lbs.
3. Bolt the factory Catalytic Converters to the Patriot Headers using the bolts provided, in the same position as they were on the factory manifolds
4. Reconnect the O2 sensor wire plugs
5. 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.

PARTS LIST

<u>Qty</u>	<u>Description</u>
1	Left side header
1	Right side header
2	Header gaskets
12	Bolt, header, M8-1.25 x 25MM (1" long)
12	Lock washer, 3/8"
6	3/8-16 x1" Collector Hex head bolts
6	3/8-16 Hex Nuts
6	3/8" Lock washers
2	Patriot Stickers
1	CARB EO Sticker

