



HEADER INSTALLATION INSTRUCTIONS

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Part H3200 Vara Flow Muffler, 2 1/2"

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. 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, Patriot recommends that you break in the motor with the Vara Flow SFI valves in the open position until the motor is broken in fully.

Notice: These mufflers are made from Stainless Steel and can be easily scratched and will turn Gold from heat. Standard Stainless Steel metal polish will return them to their original luster.

WARNING: These mufflers DO NOT meet Federal Noise requirements and cannot be used on any vehicle that is operated on a public highway if said usage will violate Federal, State, or local noise ordinances.

INSTALLATION

1. The Vara Flow muffler is universal in design and can be installed in a variety of positions on many different vehicles.
2. The mufflers should be installed with the motor and SFI valve placed towards the rear of the vehicle for the proper sound attenuation between the open and closed positions.
3. The mufflers should be rotated in such a position that the motors are best protected from coming in contact with foreign items and road debris.
4. Once the mufflers are properly and fully mounted the wiring can be connected.
5. Each muffler is supplied with its own wiring harness and switch. These can be installed individually to control each muffler separately or can be connected to control both mufflers via one switch. To modify the harnesses to operate both mufflers, see the illustration below.

IMPORTANT CHECK LIST

- Be sure that all brake lines and fuel lines are clear of the mufflers and/or connector pipes.
- Be sure all wiring is secured so that it cannot contact the exhaust and melt and that is free from contacting the drive shaft and or road debris.
- Double-check the tightness of all bolts including brackets and accessories.

STARTING THE ENGINE/DRIVING

Start the engine and allow it to warm up to operating temperature. Check for any unusual noises or exhaust leaks. The muffler will create some smoke for the first 10-20 miles – DO NOT PANIC, this is normal as the packing material settles in from the heat. It is not recommended that you drive with the mufflers completely closed for long periods of time as this can create excessive heat. Patriot suggests keeping the valves at least slightly opened. The Vara Flow mufflers can be operated at any position from fully closed to fully open to best suit your personal

PARTS LIST

Qty	Description
1	Vara Flow Muffler
1	Wiring harness
1	Installation Instructions



Vara Flow Muffler, wiring modification for simultaneous operation.
After mounting the switch in your car, run the wiring harness to one of the mufflers. Cut the second wiring harness to the appropriate length for your vehicle and splice the muffler connector end to the first harness to control both mufflers with one switch.

