



FLOWTECH™ SHORTY HEADERS 12117FLT

1987-93 Mustang V8-5.0L Polished 304SS 1 3/4" Shorty Headers

ATTENTION! Some applications may require modification to the exhaust system and we recommend this installation be done by a professional technician.

WARNING! Breaking in an engine with ceramic-coated headers WILL result in damage to the coating and will VOID all warranties. Ceramic-coated headers require several heat cycles to fully cure before they will withstand extreme heat. Flowtech™ recommends using cast iron exhaust manifolds or old headers to break in new engines to avoid coating damage. Please call tech service at 270-781-9741 for additional information regarding ceramic-coated exhaust products.

We realize that you had many choices when you chose your headers, and we thank you for choosing ours. At FLOWTECH™, we put many years of performance exhaust experience into every product we build. We feel and know you'll agree that FLOWTECH™ Headers are the best you can buy at any price.

As a result of the restricted room available in some engine compartments, you may experience a close fit to some body and chassis components. This is a normal condition. If this is your first time installing a set of headers, it may be time consuming. While not complex, stick with it. As soon as you start your engine, the reward of additional horsepower and performance will be well worth your efforts. Proper installation and periodic maintenance will result in the maximum performance and life from your FLOWTECH™ Headers.

READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING:

For the ease of installation, your vehicle must be raised a minimum of 36".

WARNING! Should you decide to install any exhaust product yourself, be warned that the original equipment jack that came with the vehicle is intended for emergency use only. The use of a frame jack, in conjunction with a floor jack, as the main support is highly recommended to minimize the accidental dropping of a vehicle while the installation proceeds. Never go under a vehicle that is supported by only a bumper jack!

A. PREPARE THE VEHICLE FOR INSTALLATION:

1. Disconnect the battery to prevent accidental damage to the electrical system.
2. Remove the spark plugs.
3. Unbolt the headpipe from the stock exhaust manifold and move aside.
4. Remove the stock manifold and oil dipstick tube.

B. CHECK THE CONDITION OF THE ENGINE MOUNTS:

INSTALLATION NOTE: It is recommended that new engine mounts be installed before installing the headers.

C. LEFT SIDE HEADER INSTALLATION:

1. Place the gasket into position. Install the front and rear header bolts, but do not tighten.
2. Install the balance of the bolts, but do not tighten. Tighten all header bolts progressively and evenly until they are tight.
3. Check the speedometer cable and clutch cable for proper clearance.

D. RIGHT SIDE HEADER INSTALLATION:

1. Place the gasket into position. Install the front and rear header bolts, but do not tighten.
2. Install the balance of the bolts, but do not tighten. Tighten all header bolts progressively and evenly until they are tight.
3. Check that there is adequate clearance for all hoses, lines, etc.

E. AFTER HEADERS ARE IN PLACE:

1. Inspect all points with limited clearance. Relocate any points that have direct contact with the headers. Make sure there is adequate clearance around all lines (transmission, brake, fuel, and electrical wires). Reroute as necessary. **REPLACE ANY FLUIDS THAT YOU MAY HAVE REMOVED OR LOST.**
2. Reinstall the oil dipstick tube, spark plugs, and connect the battery cable.

When you have finished installing your FLOWTECH™ headers, take the vehicle for a road test. Listen carefully for any exhaust leaks or other strange noises and make corrections. When the vehicle has been driven for a few days, retighten the header bolts. We find that periodically checking the bolts will prevent the flange from warping and the burning out of the header gaskets.

HOW DID WE DO? YOUR QUESTIONS AND COMMENTS ARE ALWAYS WELCOME AT FLOWTECH™. OUR TECHNICAL SERVICE DEPARTMENT IS OPEN MONDAY THROUGH FRIDAY, DURING THE HOURS OF 8:30 AM UNTIL 4:30 PM CST. WE CAN BE REACHED AT:

**1801 Russellville Road • Bowling Green, KY 42102
PHONE 270-781-9741 • FAX 270-781-9772**

LIMITATION OF LIABILITY - DISCLAIMER: The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties.

FLOWTECH™ by Holley makes no warranties of merchantability, of fitness for particular purpose, Or that its products are approved for general use, or that its products comply with laws, regulations, or ordinances in the states where they may be sold to the ultimate purchaser, the consumer.

Unless expressly stated to the contrary in the FLOWTECH™ catalog instruction sheet or price list, the entire risk as to the conformity of any company product in any such state and as to repair should the product prove to be defective or nonconforming, is on the retail purchaser, the buyer, the ultimate consumer, of such product and it is not upon the seller, distributor or manufacturer.

In the connection retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations or repair.

California vehicle code, sections 27156 and 38391, prohibits the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system, unless exempted, unless otherwise noted. FLOWTECH™ Headers that have not received an Executive Order (E.O.) exemption from these code sections are not legal for sale or use in California on vehicles originally equipped with catalytic converters, except for racing vehicles, which may never be driven upon a highway. Check with your local authorities to determine if these headers are legal for use in your particular area.

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Date: 3-9-15