



**P/N 12110FLT FLOWTECH I™ Standard Finish**  
**P/N 32110FLT FLOWTECH II™ Ceramic Finish**

**1986-93 Mustang GT/LX (302W)**

**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 or 1-866-GOHOLLEY for additional information regarding ceramic-coated exhaust products.

### **INTRODUCTION:**

We realize that you had many choices when you chose your headers, and we thank you for purchasing Flowtech™ Headers. At Flowtech™, we put our many years of performance exhaust experience into every product we build. We feel and know you will 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 condition is normal. While the installation is not complex, it may be time consuming. However, as soon as you start your engine, the additional horsepower and improved performance will more than justify your efforts. Proper installation and maintenance will ensure a long life and maximum performance from your Flowtech™ Headers. If you have any questions, please call Technical Support at 1-270-781-9741 or 1-866-GOHOLLEY.

### **BEFORE STARTING:**

Your vehicle must be raised a minimum of 36 inches. A floor hoist is ideal. If no hoist is available, we strongly urge the use of axle stands as a safety measure.

**CAUTION!** Your car should not be supported on a bumper jack. Prior to installing the headers, take the time to make a careful and complete inspection of both the engine and transmission mounts. Replace them, if they look worn or damaged. Otherwise, this may affect the header fitting into your vehicle properly.

### **PREPARE THE CAR 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 exhaust manifold and move aside.
4. Remove the stock manifold.
5. Remove the oil dipstick tube.

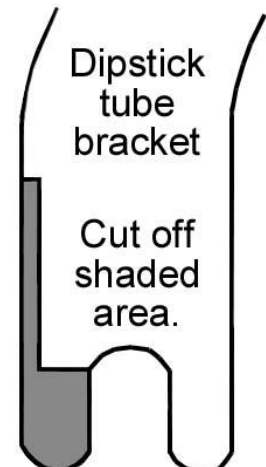
**NOTE:** It is recommended that new motor mounts be installed before installing the headers.

### **RIGHT SIDE HEADER INSTALLATION:**

1. Starting from above, place the header in position. It may be necessary to raise the engine to ease in the installation of the header. Be sure to place a board between the oil pan and floor jack to prevent damage to the oil pan.
2. Place the gasket into position. Install the front and rear header bolts. Do not tighten at this time.
3. Install the balance of the bolts, but do not tighten at this time.
4. Reinstall the dipstick and housing. Modify the housing mounting bracket for a better fit. See the figure above.
5. Tighten all the header bolts progressively and evenly until they are tight.

**NOTE:** On vehicles equipped with manual transmissions, it is necessary to move the clutch cable away from the header. To do so, bend the mounting bracket towards the fender. The cable must have at least 1" of clearance from the header.

6. Check the speedometer cable and clutch cable for proper clearance.



## **LEFT SIDE HEADER INSTALLATION:**

1. Starting from above, place the header into position.
2. Place the gasket into position. Install the front and rear header bolts. Do not tighten at this time.
3. Install the smog tube mounting bracket (supplied), replacing the stock one over the fourth tube and install the balance of the bolts. Do not tighten at this time.
4. Tighten all header bolts progressively and evenly, until they are tight.
5. Check that there is adequate clearance of all hoses, lines, etc.
6. Reinstall the stock smog tube to the new bracket, using the original screw.

**NOTE:** It will be necessary to trim and bend the rubber hose connecting the smog tube in its new position. If the hose kinks severely (cutting air flow), replace it with a 90° pre-formed hose.

## **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 MIGHT HAVE REMOVED OR LOST DURING INSTALLATION.**
2. Reinstall the oil dipstick tube, spark plugs, and connect the battery cable.
3. When connecting the exhaust system, replace the stock manifold bolts with the 7/16" x 2 1/2" bolts, nuts, and flat washers supplied in the parts kit.
4. 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.
5. 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 header gaskets from burning out.

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

Unless expressly stated to the contrary in the 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 non-conforming, is on the retail purchaser, the buyer, the ultimate consumer, of such product and it is not upon the seller, distributor, or manufacturer. In this connection, the retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, or repair.

## **THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.**

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 have not received an exemption from these code sections and are to legal for sale or use in California on vehicles originally equipped with catalytic converters, it is illegal, except for racing vehicles, which may never be driven upon a highway. To remove or otherwise render inoperative any emission control device on the regulated motor vehicles – check catalog listings to ensure proper application in the other 49 states, unless otherwise noted, FLOWTECH™ Headers are not legal for pollution-controlled motor vehicles, except for racing vehicles, which may never be used upon a highway and are not intended or applicable for highway use.

**Technical Support: 1-866-GOHOLLEY**

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