



**YOUR PERFORMANCE EXHAUST COMPANY™**

**SHORTY STYLE EMISSIONS LEGAL HEADERS**

**Part Number**

**91627FLT Standard Finish and 91627-1FLT Ceramic Finish**

**Ford**

|                  |              |             |                            |
|------------------|--------------|-------------|----------------------------|
| <b>F150, 250</b> | <b>87-95</b> | <b>5.0L</b> | <b>2 and 4 Wheel Drive</b> |
| <b>Bronco</b>    | <b>87-95</b> | <b>5.0L</b> | <b>4 Wheel Drive</b>       |

**91628FLT Standard Finish and 91628-1FLT Ceramic Finish**

**Ford**

|                  |              |             |                            |
|------------------|--------------|-------------|----------------------------|
| <b>F150, 250</b> | <b>87-95</b> | <b>5.8L</b> | <b>2 and 4 Wheel Drive</b> |
| <b>Bronco</b>    | <b>87-95</b> | <b>5.8L</b> | <b>4 Wheel Drive</b>       |

**California Air Resources Board EO Number D-439-2**

We realize that you had many choices when you chose your headers, and we thank you for purchasing FLOWTECH®.

At FLOWTECH® we put many years of performance exhaust experience into every product we build. We 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 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 headers.

**READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING:**

**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 Flowtech tech service at 270-781-9741 for additional information regarding ceramic coated exhaust products.

For ease of installation, your vehicle must be raised a minimum of 24". **Warning,** should you decide to install any exhaust 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 main support is highly recommended to minimize the accidental dropping of a vehicle while the installation proceeds. **Never go under any vehicle that is supported by a bumper jack!**

**1. PREPARE THE VEHICLE FOR INSTALLATION:**

- A. Disconnect the battery to prevent accidental damage to the electrical system.

- B. From below, remove the exhaust pipes from the manifolds.
- C. Unbolt the spark plug wire looms. Tag and remove the spark plug wires from the spark plugs and position out of the way.

**2. CHECK THE CONDITION OF THE ENGINE MOUNTS INSTALLATION NOTE:**  
It is recommended that new engine mounts be installed before installing the headers.

**3. LEFT SIDE HEADER INSTALLATION:**

- A. Remove the oil dipstick and tube.
- B. Unbolt the exhaust manifold and remove.
- C. Clean the cylinder head of any grease, rust, and gasket material that may be present.
- D. It will be necessary to straighten the dipstick bracket for header clearance. See figure 1.
- E. Install the gasket and header using the header bolt supplied. Torque to the factory specifications. (30-35 ft. Lbs.)
- F. Install the dipstick and tube, check clearances.

**4. RIGHT SIDE HEADER INSTALLATION:**

- A. Remove E.G.R. fitting from front of manifold. (P/N 91831FLT only)
- B. Unbolt the E.F.I. plenum support.
- C. Unbolt the exhaust manifold and remove.
- D. Clean the cylinder head of any grease, rust, and gasket material that may be present.
- E. Temporarily install the header using two bolts. This is to determine if modification is necessary to fit the plenum support.
- F. Modify the plenum support. Grind the bottom end of the support bracket to clear the larger tubes. Bend the bottom end of the bracket to fit. See figure 2.
- G. On part number 91627FLT, the secondary A.I.R. tube bracket will need to be ground to clear larger tube.
- H. On part number 91628FLT, the secondary A.I.R. tube has a plastic diverter valve at the rear. This valve must be moved away from the header by using the steel bracket included. This bracket will bolt to the tube's original location and the tube will be mounted to the bracket.
- I. When the above modifications have been completed, remove the header and reinstall the gasket and header using the header bolt supplied. Torque to the factory specifications.
- J. Reinstall the E.G.R. fitting onto the header.

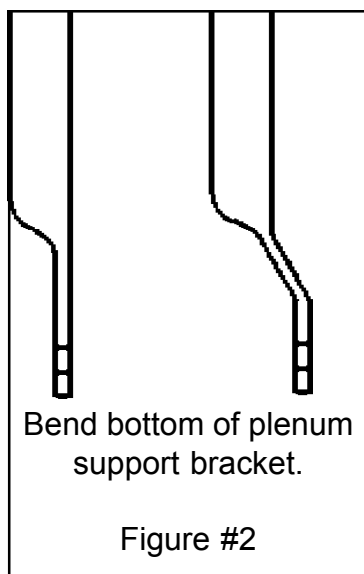
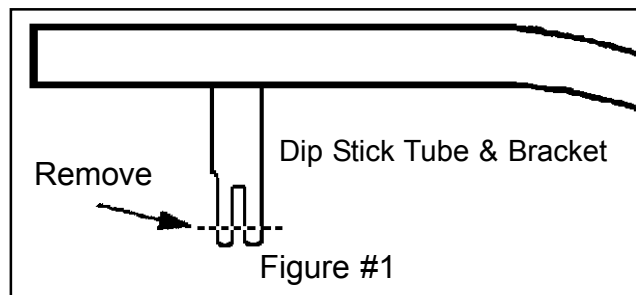
**5. CONNECT THE EXHAUST SYSTEM:**

- A. From under the vehicle, reinstall the exhaust system to the headers, using the supplied bolts and nuts.

**6. AFTER HEADERS ARE IN PLACE:**

- A. 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. **BEFORE INSTALLING YOUR EXHAUST SYSTEM REPLACE ANY FLUIDS THAT YOU MAY HAVE REMOVED OR LOST.**
- B. Reconnect the battery cable.

When you have finished installing your 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 the header gaskets.



#### Header Kit Contents

| Qty | Description  |
|-----|--|
| 1   | Driver's side header                               |
| 1   | Passenger's side header                            |
| 2   | Header gaskets                                     |
| 16  | 3/8" x 1" header bolts                             |
| 4   | 7/16"-14 x 2 1/2" cap screws                       |
| 4   | 7/16"-14 Nuts                                      |
| 1   | Secondary A.I.R. tube bracket and bolt. (91628FLT) |

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 COUNTRIES.

FLOWTECH® 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.

THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER. CALIFORNIA VEHICLE CODE SECTIONS 27156 AND 38391 PROHIBIT THE ADVERTISING, OFFERING FOR "SALE, OR INSTALLATION OF ANY DEVICE WHICH MODIFIES A VEHICLE'S EMISSIONS CONTROL SYSTEM UNLESS EXEMPTED. UNLESS OTHERWISE NOTED, FLOWTECH® HEADERS HAVE NOT RECEIVED AN EXEMPTION FROM THESE CODE SECTIONS AND ARE NOT 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 REGULATED MOTOR VEHICLES (CHECK CATALOG LISTINGS TO INSURE 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.

How did we do? Your questions and comments are always welcome at FLOWTECH®. Our technical services department is open Monday through Friday, during the hours of 8:30 a.m. until 4:30 p.m. central time. We can be reached at:

**FLOWTECH**  
by **Holley**

THE PERFORMANCE EXHAUST COMPANY™  
1801 Russellville Road, Bowling Green, KY 42102  
Tech Service: 270-781-9741 Fax: 270-781-9772