



**SHORTY SMOG HEADERS  
EMISSION COMPATIBLE**

Part Numbers	Model Years	Engine Size
<b>91627FLT Standard Finish and 91627-1FLT Ceramic Finish</b>		
F150, F250 (2 & 4WD)	1987-95	5.0L
Bronco (4WD)	1987-95	5.0L
<b>91628FLT Standard Finish and 91628-1FLT Ceramic Finish</b>		
F150, F250 (2 & 4WD)	1986-95	5.8L
Bronco (4WD)	1986-95	5.8L

**NOTE:** Stock replacement – bolts directly to factory headpipes.

**NOTE:** Will work with factory exhaust system.

**NOTE:** 49 states emissions legal, California E.O. pending

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

At FLOWTECH®, we put our 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.

**NOTE:** 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 particularly complex, stick with it, for as soon as you start your engine, the reward of additional horsepower and performance will be well worth your efforts. Proper installation and periodical maintenance will result in the maximum performance and life from your headers.

**CAUTION: READ THESE INSTRUCTIONS CAREFULLY BEFORE BEGINNING INSTALLATION.**

**WARNING:** For the ease of installation, your vehicle must be raised a minimum of 24". **DO NOT USE YOUR ORIGINAL EQUIPMENT JACK. IT IS INTENDED FOR EMERGENCY USE ONLY.** We suggest the use of a frame jack in conjunction with a floor jack (as the main support). This will minimize the possibility of the vehicle dropping during installation. **NEVER GO UNDER ANY VEHICLE THAT IS SUPPORTED ONLY BY A BUMPER JACK.**

**HEADER KIT CONTENTS:**

Quantity	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 & bolt for 91628FLT

**PREPARE THE VEHICLE FOR INSTALLATION:**

1. Disconnect the battery to prevent accidental damage to the electrical system.
2. From below, remove the exhaust pipes from the manifolds.
3. Unbolt the spark plug wire looms. Tag and remove the spark plug wires from the spark plugs and position them out of the way.

**CHECK THE CONDITION OF THE ENGINE MOUNTS:**

It is recommended that you install new engine mounts before installing the headers.

**LEFT SIDE HEADER INSTALLATION:**

1. Remove the oil dipstick and tube. Unbolt the exhaust and remove.
2. Clean the cylinder head of any grease, rust, and gasket material that may be present.
3. It will be necessary to straighten the dipstick bracket for header clearance (**Figure A**).
4. Install the gasket and header using the header bolt supplied. Torque to the factory specifications (30-35 ft./lbs.).
5. Install the dipstick and tube. Check clearance.

**RIGHT SIDE HEADER INSTALLATION:**

1. Unbolt the E.F.I. plenum support. Unbolt the exhaust manifold and remove.
2. Clean the cylinder head of any grease, rust, and gasket material that may be present.

3. Temporarily install the header using two bolts. This is to determine if modification is necessary to fit the plenum support.
4. 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 (**Figure B**).
5. On P/N 91627FLT, the secondary A.I.R. tube bracket will need to be ground to clear the larger tube.
6. On P/N 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.
7. When the above mentioned modifications have been completed, remove the header and reinstall the gasket and header using the header bolt supplied. Torque to the factory specifications.

**CONNECT THE EXHAUST SYSTEM:**

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

**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 if necessary. **REPLACE ANY FLUIDS THAT YOU MAY HAVE REMOVED OR LOST.**
2. Reconnect the battery cable.
3. 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 of the header gaskets.

