



**SHORTY SMOG HEADERS  
EMISSION COMPATIBLE  
C.A.R.B. E.O. D-115-16**

Part Numbers	Model Years	Engine Size	Air Injection Recirculation System
<b>91830FLT Standard Finish and 91830-1FLT Ceramic Finish</b>			
Chevy/GMC 1500/2500 PU	88-95	5.0/5.7L	w/o A.I.R. Injection
Suburban	92-95	5.7L	w/o A.I.R. Injection
Blazer/Jimmy	92-94	5.0/5.7L	w/o A.I.R. Injection
Tahoe/Yukon	95	5.7L	w/o A.I.R. Injection
<b>91831FLT Standard Finish and 91831-1FLT Ceramic Finish</b>			
Chevy/GMC 1500/2500 PU	88-95	5.0/5.7L	w/ A.I.R. Injection
Suburban	92-95	5.7L	w/ A.I.R. Injection
Blazer/Jimmy	92-94	5.0/5.7L	w/ A.I.R. Injection
<b>91832FLT Standard Finish and 91832-1FLT Ceramic Finish</b>			
Chevy/GMC 1500/2500 PU	96-99	5.7L	w/o A.I.R. Injection
Suburban	96-97	5.7L	w/o A.I.R. Injection
Tahoe/Yukon	96-97	5.7L	w/o A.I.R. Injection

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.

**NOTE:** This tuned shorty style header is designed to be a direct replacement for the OEM GM exhaust manifolds and is exempted from the prohibition of Section 27156 of the California Vehicle Code (C.A.R.B. E.O. D-115-16).

**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
11	3/8" x 1" Header bolts
6	5/16"-18 x 2" Cap screws
6	5/16"-18 Nuts
11	5/16" Flat washers
4	1/4"-20 x 1" Cap screws
1	P/S Bracket spacer
1	Heat stove
1	Hose clamp

**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. From above, remove the top half of the fan shroud. Remove the serpentine belt.
- D. Unbolt the spark plug wire looms. Tag and remove the spark plug wires from the spark plugs and position them out of the way.

- E. Remove the A.I.R. tube from the manifold (P/N 91831FLT only).
- F. Remove the rear power steering bracket from the manifold studs and power steering pump.

**NOTE:** It may be necessary to loosen the alternator/power steering pump from the engine and pull it outward.

- G. After the rear power steering bracket is removed, it will be necessary to modify it, as shown in **Drawing A**.
- H. Remove the oxygen sensor(s), if so equipped.
- I. Remove the flexible hot air tube. Do not discard.
- J. Remove the dipstick and tube.
- K. Unbolt and remove the manifolds.
- L. Clean the cylinder head, so that it is free of any grease, rust, and gasket materials.
- M. Drill the O<sup>2</sup> sensor fitting on the headers, if the sensor is to be used.

## 2. CHECK THE CONDITION OF THE ENGINE MOUNTS:

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

## 3. LEFT SIDE HEADER INSTALLATION:

- A. Using five of the header bolts supplied, install the driver's side header and gasket. Do not install the front bolt at this time.
- B. Using one of the factory studs and the 1" tubular spacer supplied, install these in the front mounting hole and torque to factory specifications (30-35 ft./lbs.).
- C. Reinstall the power steering bracket and pump. The rear bracket will only mount on one stud on the manifold.
- D. Reinstall the O<sup>2</sup> sensor (if equipped) and the A.I.R. tube (P/N 91831FLT only).

## 4. RIGHT SIDE HEADER INSTALLATION:

- A. Install the passenger's side header and gasket using the bolts supplied. Torque to factory specifications (30-35 ft./lbs.).
- B. Reinstall the A.I.R. tube (P/N 91831FLT only).
- C. Install the heat stove with the hose clamp.
- D. Shorten the flexible heat tube by approximately 3.5" and install.
- E. Install the spark plug wires and looms using 1/4" x 1" cap screws and 1/2" tubular spacers supplied.
- F. Install the serpentine belt and fan shroud.

**NOTE:** On Suburbans, make sure the heater hoses are routed away from the heater.

## 5. CONNECT THE EXHAUST SYSTEM:

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

## 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 if necessary. **BEFORE INSTALLING YOUR EXHAUST SYSTEM, REPLACE ANY FLUIDS THAT YOU MAY HAVE REMOVED OR LOST.**
- B. Reconnect the battery cable.
- C. 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.

