



THE PERFORMANCE EXHAUST COMPANY™

12520 FLOWTECH I™ STANDARD FINISH HEADERS

32520 FLOWTECH II™ CERAMIC FINISH HEADERS

77-79 FORD F150 PU 4WD 351-400M V-8

77½-79 FORD F250/350 PU 4WD 351-400M V-8

78-79 FORD BRONCO 4WD 351-400M V-8

Will fit "Low Boy" F-250/350'S only that have been manufactured after 2/1/77. The date of manufacture is located on the driver's side doorframe.

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 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 maximum performance and life from your FLOWTECH® Headers.

READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING:

For 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 any vehicle that is supported by a bumper jack!

1. PREPARE THE CAR FOR INSTALLATION:

- Disconnect the battery to prevent accidental damage to the electrical system.
- Unbolt the headpipe from the stock exhaust manifolds and move aside. Remove the stock manifolds.
- Disconnect the front driveshaft at the differential and swing it down, so it will be out of the way.
- Remove the clutch linkage, if so equipped.
- Remove the starter.

2. CHECK THE CONDITION OF THE MOTOR MOUNTS - It is recommended that new motor mounts be installed before installing headers.

3. LEFT SIDE HEADER INSTALLATION:

- Starting from below, work the header up through the chassis into position over the exhaust ports.

INSTALLATION NOTE: The left side header routes between the oil pan and the front driveshaft.

- Position the header gasket in place and start the bolts. Tighten the bolts progressively and evenly until they are tight.
- Reinstall the clutch linkage (if necessary), and reinstall the front driveshaft.

4. RIGHT SIDE HEADER INSTALLATION:

- Starting from below, work the header up through the chassis into position over the exhaust ports. Place the gasket into position, starting one bolt to prevent the header from slipping.

INSTALLATION NOTE: Manual transmission equipped vehicles only - if the right side header cannot be installed into position. It will be necessary to remove the motor mount bolts and lift the engine up 2"-3". Unbolt the motor mount tower from the frame and position the header into position. Holding the header in place with one bolt as mentioned above, reinstall the motor mount tower, reversing the bolt if extra clearance is needed (see illustration "A"). Lower the engine and reinstall the motor mount bolts.

- While the header is loose, replace the starter.

- Start the remaining header bolts. Tighten the bolts progressively and evenly until they are tight.

INSTALLATION NOTE: automatic equipped vehicles - it may be necessary to slightly bend the transmission cooling line towards the engine for header clearance.

- To retain the heat to the air cleaner system, if so desired, purchase FLOWTECH® TAC kit #10100.

5. AFTER HEADERS ARE IN PLACE:

- 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.

- To hook up your exhaust system, use the reducers supplied with the headers. The right side reducer must be cut back to match up with the 2-1/8" pipe. To determine where to cut, push a piece of 2-1/8" pipe over the reducer and mark the location to cut. Bolt the reducers and gaskets to the headers. Fabricate a curved pipe to clear the transfer case crossmember (see illustration B). We recommend the fabricated sections be welded to the reducers and the existing tailpipe in order to prevent exhaust leaks.

- Reconnect the battery.

When you have finished installing your FLOWTECH® headers, take the vehicle for a road test. Listen carefully for any exhaust leaks or 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 welcomed at FLOWTECH®. Our technical services department is open Monday through Friday, during the hours of 8:30 AM until 4:30 PM Central Time. We can be reached at:

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ILLUSTRATION "A"

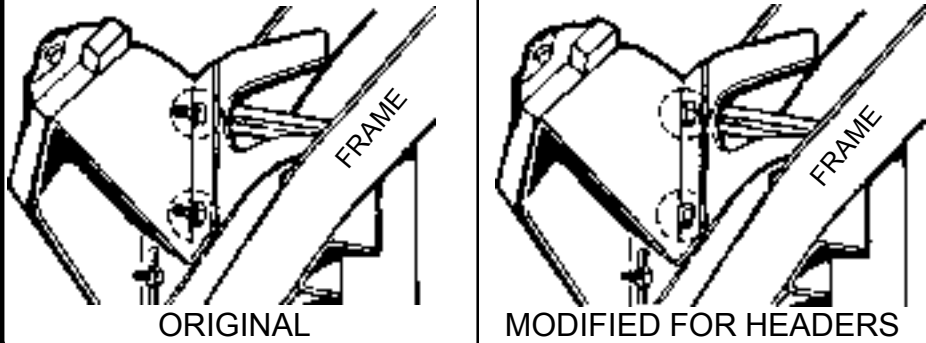
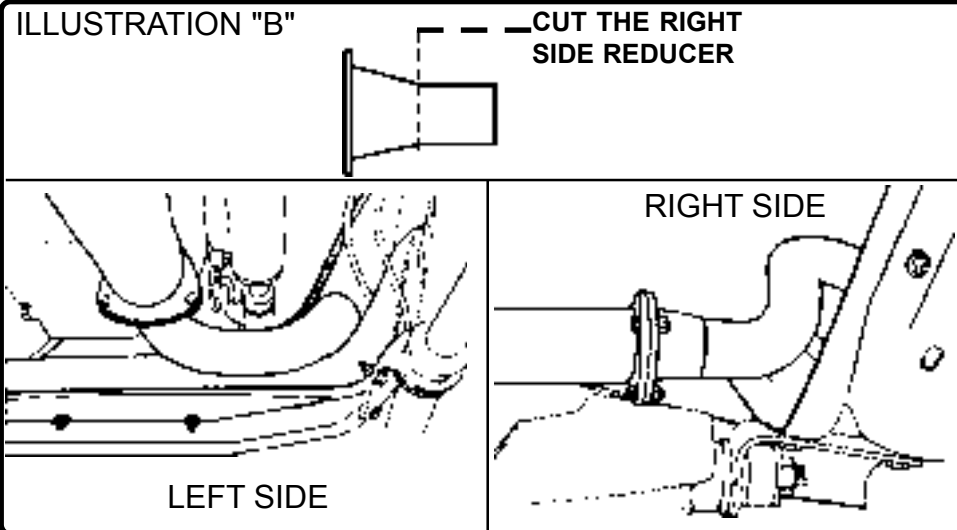


ILLUSTRATION "B"



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.

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 exempt and 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.

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