

## Header Installation Instructions

05-06 Chevrolet C6 Corvette "421" series headers

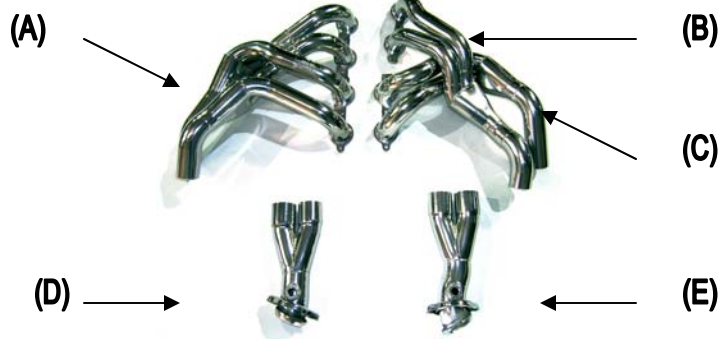
604217C



(1) Please check Parts List below to insure that all parts are included in the product box !

(2) Please read these instructions before beginning !

If you feel that you cannot perform this installation, please take your vehicle to a dealer or qualified service technician.



### **WARNING!**

Warranty of this product is **void** if components are altered in any way from how originally received.

### Parts List and Description

- |     |  |
|-----|--|
| (A) | PN 5742171 - left side primary assembly      |
| (B) | PN 5742173 - right front primary assembly    |
| (C) | PN 5742174 - right rear primary assembly     |
| (E) | PN 5742175 - left side merge collector       |
| (F) | PN 5742176 - right side merge collector      |
| (H) | PN 5360 - Bassani header gaskets (not shown) |

### Hardware List

- |     |   |
|-----|---|
| (4) | 3/8-16NC x 2-1/2" bolts                     |
| (4) | 3/8 flat washers                            |
| (4) | 3/8 flanged nuts                            |
| (1) | anti-seize lubricant                        |
| (2) | pre-catalyst electrical harness extensions  |
| (2) | post-catalyst electrical harness extensions |

**Note:** These headers will not install with stock catalytic converters and are not legal to be installed on pollution-controlled motor vehicles. These headers are intended for use on competition/race vehicles only. Bassani's competition converter kit, part #600013, is available to allow a "no weld required" installation of these headers. These converters should satisfy the requirements for "factory stock" classes of most racing organizations.

### **INSTALLATION INSTRUCTIONS:**

- 1.) Disconnect negative battery cable and then raise and support vehicle.
- 2.) Lubricate factory fasteners attaching exhaust manifolds to converter pipe with penetrating oil.
- 3.) Remove ABS plastic fuel injector covers from top of engine.
- 4.) Disconnect spark plug wires from spark plugs and coil pack assemblies. Do not remove valve covers or oil filter.
- 5.) Remove spark plugs from drivers side of engine.
- 6.) Remove oil dipstick and tube from passenger side of engine.
- 7.) Disconnect all oxygen sensors from vehicle electrical harness.
- 8.) Remove Oxygen sensors from exhaust manifolds and catalytic converters and set aside for reassembly.
- 9.) Remove fasteners attaching exhaust manifolds to converter pipes.
- 10.) Remove fasteners attaching exhaust manifolds to cylinder heads and remove manifolds from vehicle.
- 11.) Remove stock mid-pipe at this time to also allow installation of a Bassani aft-cat system; these headers will not directly fit to stock mid-pipe.

Continued on next page:

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**604217C installation instructions continued:**

- 12.)** Install front and rear sections of passenger side header into vehicle through to of engine compartment. Refer to photo at top of instructions to see how front section lays across rear section.
- 13.)** Attach passenger side header sections to cylinder head with stock fasteners and supplied gaskets.
- 14.)** Reinstall oil dipstick and tube into engine and attach to engine with original fastener.
- 15.)** Remove bolt from steering shaft coupler and separate shaft from column and position out of the way. **DO NOT ROTATE STEERING WHEEL/COLUMN AFTER YOU SEPARATE SHAFT FROM IT!**
- 16.)** Carefully install driver side primary section through bottom of vehicle being careful to avoid damaging coolant temperature sensor or connector.
- 17.)** Attach primary section to cylinder head with stock fasteners and supplied gaskets.
- 18.)** Reinstall spark plugs into left cylinder head.
- 19.)** Reattach steering shaft coupler to bottom of steering column and torque bolt to factory specifications.
- 20.)** Install the shortest supplied merge collector over driver side primary tube section previously installed. The Oxygen sensor bung will be positioned on top of the collector when properly installed. It is also recommended that you apply a small amount of high temp, O2 sensor safe silicone to the tube to aid in sealing.
- 21.)** Install remaining merge collector on passenger side in the same manner.
- 22.)** Install pre-catalyst O2 sensors into merge collectors and attach to vehicle electrical harness with supplied extensions.
- 23.)** If you are installing Bassani's competition converter kit with these headers, install the converters to outlets of header merge collectors with 3/8" hardware included with converter kit. Rotate the converters to allow installation of the rear oxygen sensors. When properly installed, the sensors will point inward to the center of the vehicle and slightly upward. Connect sensors to vehicle electrical harness with supplied extensions
- 24.)** Install the remaining exhaust per instructions included.
- 25.)** Align the system by rotating the adapter pipes, moving the adapter pipes fore/aft and moving merge collectors fore/aft to obtain desired fit.
- 26.)** When desired alignment has been achieved tighten all clamps and fasteners on the installed parts.
- 27.)** Install pre-catalyst oxygen sensors into bungs located on top of merge collectors.
- 28.)** Connect oxygen sensors to the factory harness with the supplied harness extensions.
- 29.)** Replace spark plug wires and ABS plastic coil covers.
- 30.)** Lower vehicle, reconnect battery, start engine and check for leaks.