

Installation of Billy Boat's Exhaust stainless steel headers for the 1997-2004 Corvette C5 is simple and straightforward. These headers do not require any cutting, welding, fabrication or other modifications to install. A professional can install the Billy Boat Performance Exhaust headers using regular hand tools in 3-hours time. It is recommended a shop manual be referred to for removal and installation specifications.

REMOVAL OF THE FACTORY EXHAUST MANIFOLDS

1. Disconnect the battery negative terminal.
2. Remove the alternator from its support brackets.
3. Remove the cosmetic plastic from the intake plenum and coil pack.
4. Remove each spark plug and set aside.
5. Unbolt and move coil packs out of the way. It is not necessary to undue the wiring harness. Do not mix the firing order of the coil packs up. Label if necessary.
6. Loosen the primary O2 sensor from the collector of each exhaust manifold.
7. Unbolt the air injection line from the top of each manifold.
8. Unbolt the bottom (collector) of the exhaust manifold at the 3-bolt exhaust flange. This needs to be done from the underside of the car.
9. Unbolt the top of the exhaust manifold from the cylinder head and carefully remove the manifold from the engine compartment.

INSTALLATION OF THE BILLY BOAT PERFORMANCE EXHAUST HEADERS

1. Apply anti-seize to all threaded components such as O2 sensors, spark plugs, bolts, etc.
2. Reuse the factory exhaust port gasket or obtain a new one from your local Chevrolet dealer.
3. Using the factory hardware, bolt the top of the header to the cylinder head to the factory recommended torque rating. Tighten from the center of the flange, out.
4. Reuse the factory-sealing ring at the 3-bolt flange connection (collector) and tighten using the supplied hardware. Tighten the supplied hardware to 35 ft-lbs.
5. Install the factory O2 sensor and air injection line in the same manner and location as the original equipment. Reuse the original 2-bolt air feed gasket.
6. Install the spark plugs to the factory specified torque rating.
7. Fasten all coil packs and spark plug wires being sure the firing order is correct (refer to the service manual).
8. Install the alternator per factory recommendation.
9. Reconnect the battery.

DOUBLE CHECK YOUR WORK

1. Prior to installation of the cosmetic plastic double check all of your work, making sure everything is tight and in it's place.
2. Start the engine and carefully listen for any exhaust leaks. If a leak is detected be sure the hardware is tightened evenly across the flange and that the gasket is properly seated.



3. Drive the car spiritedly and listen for any rattles or leaks. Let it cool down and install cosmetic plastic.

4. After 500 miles are logged re-torque all of your work.

Billy Boat Exhaust Safety

SAFETY: Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place the ignition switch in the OFF position.
- Always apply the parking brake when working on the vehicle.
- Block the front and rear tire surfaces to prevent unexpected vehicle movement.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- Use chemicals and cleaners only in well-ventilated areas.
- Batteries can produce explosive hydrogen gas which can cause personal injury. Do not allow flames, sparks or flammable sources to come near the battery.
- Keep hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can be caught in rotating or moving parts.

VEHICLE SUPPORT WARNING: Should the purchaser decide to install this exhaust product at home, be warned that car or light duty truck/van "bumper" jacks are intended for emergency use only. The use of frame contact jack stands in conjunction with a floor jack as main support is highly recommended to minimize accidental dropping of a vehicle while the installation proceeds. We recommend the use of a shop hoist if possible. Please use caution!