

Installation is a direct replacement of the factory equipment and shouldn't take much more than two hours to perform. These installation instructions will guide you through the original equipment removal and Billy Boat Exhaust installation procedure. The Billy Boat Exhaust system is a high-performance, emissions compliant muffler system that requires special installation care. It is recommended that a professional exhaust technician perform the installation.

1. Disconnect the battery negative terminal for safety and to reset the vehicle's on-board computer.
2. Secure the vehicle on a wheel lift.
3. Unbolt the rear muffler hangers from the chassis and remove with the muffler still attached.
4. Transfer the hangers off the original muffler to the new Billy Boat Exhaust
5. Install the new muffler in the reverse order of removal. Using the supplied nuts, secure the new muffler in place. (new bolts are supplied with the new muffler in case the existing bolts get damaged when removing the existing muffler)
6. It is normal for stainless steel to discolor slightly. To ensure a quality, lasting finish, thoroughly wipe down the entire Billy Boat Exhaust prior to starting.
7. Reconnect the battery negative terminal and start the vehicle. Listen for exhaust leaks and ensure there is no contact between the Billy Boat Exhaust system and any component of the vehicle.
8. Enjoy your Billy Boat Exhaust!

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!



RPM	Stock Horsepower	BBE Horsepower	Gains
3000	106	108	+2
3500	128	136	+8
4000	156	164	+8
4500	175	180	+5
5000	188	197	+9
5500	202	205	+3
6000	205	207	+2
6500	186	197	+11

RPM	Stock Torque	BBE Torque	Gains
3000	186	190	+4
3500	192	204	+12
4000	205	215	+10
4500	204	210	+6
5000	198	206	+8
5500	193	197	+4
6000	180	182	+2
6500	150	159	+9