

Your Billy Boat Exhaust system was designed to be a direct replacement exhaust system, while offering the best performance, finish and value available from a stainless steel exhaust system. Proper installation will ensure a lifetime of quality and performance from this product.

- 1) Disconnect the NEG (-) battery terminal.
- 2) Remove the factory exhaust system by removing one side at a time.
- 3) Loosen the small clamp that connects the Cat converter to the muffler.
- 4) Remove the three nuts that hold the existing muffler bracket to the engine. Save the existing nuts, they will be reused. Slip the muffler off the three bracket bolts and lower the muffler out of the vehicle.
- 5) Use the same procedure for the other side.
- 6) Remove the existing three bolt bracket from the existing muffler and install on the B & B mufflers.
- 7) Install the Billy Boat Exhaust system by placing the muffler with the existing three bolt bracket onto the mounts in the vehicle. Hand tighten the existing nuts at this time. Align the muffler tube with the Cat converter exit reusing the existing exhaust clamp and hand tighten. Slip the supplied tip section onto the muffler exit pipe and clamp in place using the supplied clamp. Align the system as needed and tighten the bracket nuts and clamps.
- 8) Repeat the procedure for the other side muffler.
- 9) Reconnect the battery NEG (-) terminal.
- 10) Start vehicle and check for exhaust leaks.

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#### 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!



<b>RPM</b>	<b>Stock Horsepower</b>	<b>BBE Horsepower</b>	<b>Gains</b>
2400	82	<b>89</b>	+7
3200	117	<b>122</b>	+5
4000	155	<b>164</b>	+9
4800	198	<b>216</b>	+15
5600	221	<b>241</b>	+20
6400	244	<b>256</b>	+12

<b>RPM</b>	<b>Stock Torque</b>	<b>BBE Torque</b>	<b>Gains</b>
2400	180	<b>191</b>	+11
3200	191	<b>201</b>	+10
4000	204	<b>214</b>	+10
4800	217	<b>233</b>	+18
5600	207	<b>222</b>	+15
6400	200	<b>210</b>	+10