

Manifold Installation #13690 & #13700 BEFORE installing your new exhaust manifold on the Model A you must be sure that your intake ports are even with the level of the exhaust ports. It is common practice for manifolds to be decked as they become warped so you must follow mounting instructions thoroughly.

- 1) Bolt your new exhaust manifold to the intake manifold and check the surfaces that will be against the block with a straight edge. All surfaces (intake & exhaust) must be perfectly level. If they are not perfectly level you will need to take your manifolds (bolted together) to a machine shop and have the surfaces decked. Usually any shop that does motor rebuilding (new or old) will be able to do this job for you.**
- 2) Thoroughly clean all of the old gasket off of the block where the manifolds will seal. Install gland rings in the block and slip manifolds in place on the studs WITHOUT the gasket in place. Be sure you can slide the manifolds all the way against the block without the gland rings holding the manifolds away from the block. If your gland rings are holding the manifolds away from the block, you will need to grind or file off the gland rings until the manifolds will install against the block without the gasket. Failure to address the thickness of the gland rings usually results in broken manifold mounting ears.**
- 3) Install gasket between manifolds and block with the gland rings in place. Slide the special thick dish shaped washers over the studs with the washers dishing outward. Install nuts and torque to 45 pounds. Run each nut a little at a time, DO NOT run each nut down all at one time. Space the pressure among all 4 nuts evenly as you draw the nuts into place.**
- 4) Install muffler to the manifold with your choice of seal. We recommend just using the high heat gasket sealant.**
- 5) After you have reinstalled the carb and any other components that were removed, start the engine and check for leaks. Usually you will need to re-torque the manifold nuts to 45 lbs again when everything is hot.**

NOTE: We guarantee these manifolds to be free of any defects or flaws in the castings. Broken mounting ears are usually the fault of improper installation, not bad castings. We do not warrant manifolds returned with broken mounting ears.

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