PERFORMER BUICK V6 INTAKE MANIFOLD
For Buick 231-252 C.I.D. V6 Engines
Catalog #5486
INSTALLATION INSTRUCTIONS

PLEASE study these instructions carefully before beginning this installation. Most installations can be accomplished with common tools and procedures. However, you should be familiar with and comfortable working on your vehicle. If you do not feel comfortable performing this installation, it is recommended to have the installation completed by a qualified mechanic. If you have any questions, please call our Technical Hotline at: 1-800-416-8628, 7:00 am - 5:00 pm, Pacific Standard Time, Monday through Friday or e-mail us at edelbrock@edelbrock.com.

NOTE: Proper installation is the responsibility of the installer. Improper installation may result in poor performance and engine or vehicle damage.

PLEASE complete and mail your warranty card. Be sure to write the model number of this product in the "Part #____" space. THANK YOU.

DESCRIPTION: Designed for 1979 and later street 231/252 C.I.D. (252 C.I.D. 1980-1984 only) Buick V6 engines, with late-model cylinder heads. Manifold will not fit pre-1979 engines. Manifold is not compatible with C-3 and C-4 electronic fuel management systems.

- EGR SYSTEMS: Intake manifold will not accept stock EGR (Exhaust Gas Recirculation) equipment. EGR systems are used on most 1972 and later model vehicles. Check local laws for requirements.

- ACCESSORIES & INSTALLATION ITEMS: Major recommendations are listed below. See our catalog for details. To order a catalog, call (800) FUN-TEAM, or visit www.edelbrock.com.

- CARBURETOR RECOMMENDATIONS:

CARBURETOR	REFERENCE	PARTS REQUIRED FOR INSTALLATION
Performer #1403 (500 cfm)	A, I, K, N	
Performer #1404 (500 cfm)	A, I, K, N, O	

A - Carburetor will work with non-EGR or pre-emission control systems.
I - Carburetor has no provisions for evaporative canister.
K - Carburetor requires #8008 or #8024 stud, washer and nut kit. Determine proper length based on gasket thickness and your accessory mounting requirements.
N - Carburetor accepts factory cruise control
O - Carburetor comes with manual choke. It can be converted to electric choke using kit #1478.

- WATER NECK: If your original water neck housing does not fit, use a replacement water neck for a 1981 Buick Regal.

- GASKETS: Do not use competition-style intake gaskets for this street manifold. Due to material deterioration over time, internal leakage of vacuum, oil, and coolant may occur. Use only Fel-Pro #1200 or OEM equivalent when installing this manifold for street applications.

- PREP AND TUNING FOR POWER:

1. In some applications, the stock rods or jets may need changing for best overall performance. Refer to your carburetor owner's manual for details.
2) Some applications may benefit from resetting the initial advance ±2° from the factory specification.
3) Aftermarket ignitions and more aggressive advance curves may be used with Performer intake manifolds.
4) Installation of aftermarket headers or camshafts may lean the carburetor calibration. Should this occur, recalibrate with a richer jet.

- CAMSHAFT AND HEADERS: Performer manifolds are compatible with aftermarket camshafts and headers. Header primary tube diameter should be 1-5/8" depending on the specific engine combination. Edelbrock has developed a camshaft for use with this intake manifold; Performer-Plus #5487. Please check the catalog or website for rpm and application guidelines.

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NOTE: There is a T-45 Torx bolt located at the front of the stock intake manifold. This bolt requires a special socket and will need to be removed before removing the intake manifold (See Fig. 1).

1) Use only recommended intake gaskets set when installing this intake manifold.
2) Fully clean the cylinder head intake flanges and the engine block end seal surfaces.
3) Apply Edelbrock Gasgacinch sealant P/N 9300 to both cylinder head flanges and to the cylinder head side of the gaskets, allow to air dry, and attach the intake gaskets.
4) Do not use cork or rubber end seals. Use RTV silicone sealer instead. Apply a ¼" high bead across each block end seal surface, overlapping the intake gasket at the four corners. This method will eliminate end seal slippage.
5) Install the intake manifold and hold-down bolts. Torque all of the manifold bolts in two steps by the sequence shown in Figure 2 to 25 ft/lbs.

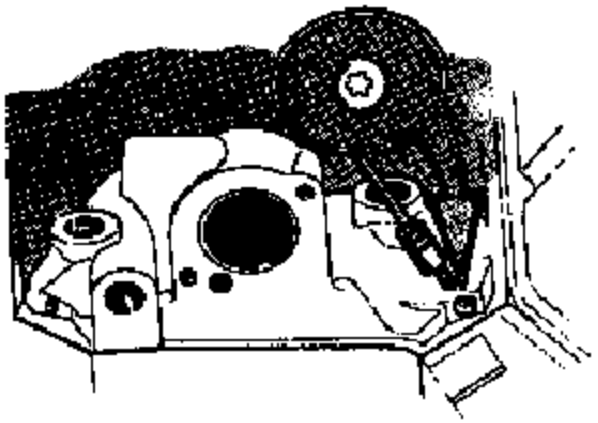


Figure 1 - Torx Bolt
Special Torx bolt (size T-45) located at front of manifold port flange
requires special socket before stock intake manifold can be removed

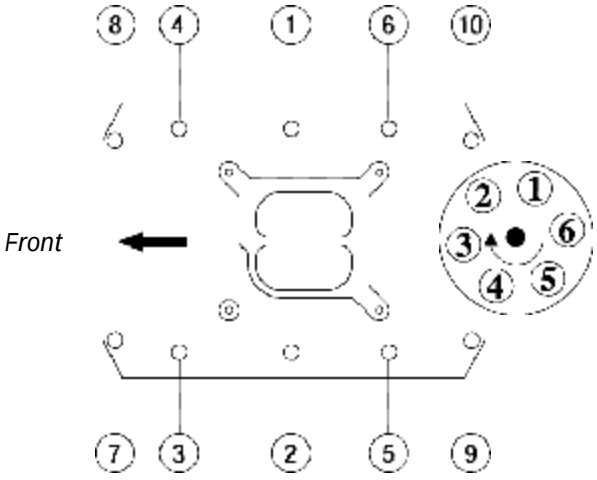


Figure 2 - Intake Manifold Bolt Torque Sequence
Torque Bolts to 25 ft/lbs.
Firing Order: 1-6-5-4-3-2
Turn Distributor Counter-Clockwise
to Advance Ignition Timing

Edelbrock Corporation • 2700 California St. • Torrance, CA 90503
Tech-Line: 800-416-8628 • E-Mail: edelbrock@edelbrock.com

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