



Edelbrock Victor E-Tec EFI For Small Block Chevrolet Engines 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.

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

DESCRIPTION: The Victor E-Tec EFI intake manifold is designed for 262-400 c.i.d. small-block Chevy engines operating in the 4500-8500 rpm range. It is intended for EFI applications like our new Pro-Flo 3 EFI system. The manifold features a deep plenum and tapered cross-sections similar to the Victor E 23° and is compatible with standard, square-bore, throttle bodies. The manifold is one inch shorter than the existing Super Victor E-Tec EFI #29135 and has provisions for water bypass so it can be used on Vortec engine blocks, and accepts OEM alternator brackets, features which the #29135 does not have.

APPLICATIONS:

INTAKE MANIFOLD	REFERENCE	APPLICATION
29145	A, B	Victor E-Tec EFI: Designed for 262-400 c.i.d. Chevy V8s utilizing Vortec (L31) cast iron, or Edelbrock E-Tec aluminum cylinder heads. Intended for EFI applications, includes rear water outlets.

- A** - Not legal for sale or use on pollution controlled motor vehicles.
- B** - Will not fit under stock Corvette hood.
- C** - May be available in additional finishes. See Edelbrock Catalog for details.

- **ACCESSORIES & INSTALLATION ITEMS:** Due to the variety of applications additional equipment may be required for your specific application.

ITEM	NOTE	PART NUMBER
Throttle Body	Standard Square-Bore Style Base	P/N 3878 - With standard GM/Delphi IAC P/N 38783 - With Mototron/Hitachi Linear Style ATC
Fuel Rail Kit		P/N 3630 - Includes Hold Down Brackets

- **FUEL RAIL KIT:** Edelbrock 3630 - Small Block Chevy Victor EFI Fuel Rail Kit (Sold Separately)

Kit includes the following:

- ~ 2 - Machined Fuel Rail Extrusions (fuel rail ends tapped for 3/8" pipe)
- ~ 4 - Tall Version Fuel Rail Bracket Stands (2.65" o-ring spacing)
- ~ 4 - 1/4-20 x 1/2" Socket Head Bolts
- ~ 4 - 1/4-20 x 1-1/4" Hex Head Bolts
- ~ 8 - 1/4" Flat Washers
- ~ 4 - 1/4" Lock Washers
- ~ 4 - 1/4-20 Hex Nuts

- **INJECTOR WARNING:** It is important to select the appropriate electronic injectors for optimum performance. The injectors must not only match the fuel demands of an engine, but they must also meet the electronic requirements of the engine control unit (ECU). Make sure when installing the injectors onto the manifold that the o-rings of the injectors create a complete seal to prevent any air or fuel from leakage. The same precaution should be applied when assembling the injectors to the fuel rails.
- **PORT MATCH:** Depending on engine build, the intake runners may require port matching to the cylinder head port size. Any sharp edges left from port runner enlargement should be radiused and smoothed back into the runner.
- **GASKETS:** Edelbrock 7235 (E-Tec 170) or 7215 (E-Tec 200) are recommended. Due to material deterioration over time, internal leakage of vacuum, oil, and coolant may occur.
- **CAMSHAFT:** Please see the Edelbrock catalog or website at www.edelbrock.com for appropriate camshaft for your particular application.

INSTALLATION INSTRUCTIONS

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 PN 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. On applications with Vortec or E-Tec cylinder heads, torque all of the manifold bolts in two steps by the sequence shown in **Figure 1** to 11 ft/lbs.

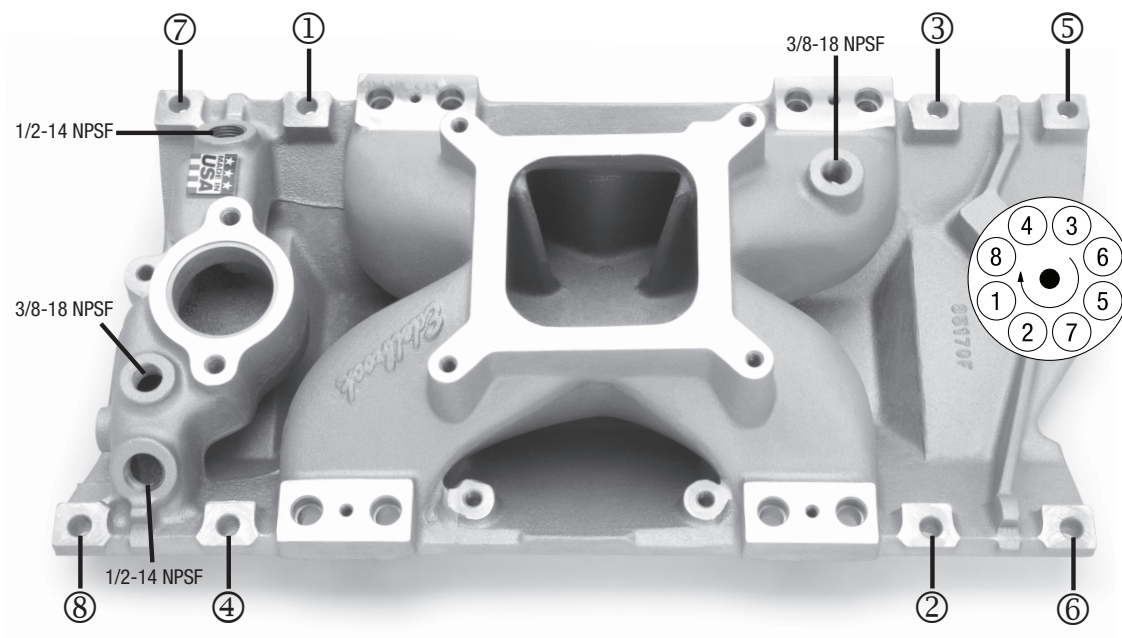


Figure 1 - Vortec/E-Tec Manifold Bolt Torque Sequence

Torque Bolts to 11 ft/lbs.

Firing Order: 1-8-4-3-6-5-7-2

**Turn Distributor Counter-Clockwise
to Advance Ignition Timing**



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