



**VICTOR TUNNEL RAM INTAKE MANIFOLD
Big-Block Chevrolet V8 With Rectangular Port Heads
Catalog #7085 (Carb), #70855 (EFI), #7086 (Top Only)
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 Tunnel Ram intake manifolds are recommended for racing applications ONLY. They are designed for applications producing over 1,000 HP. The Victor Tunnel Ram may be used with any combination of parts designed for that power range. There are two manifold bases, #7085 for carbureted applications, and #70855 for EFI applications. Both bases will use the same manifold top #7086. For carbureted applications, the use of two sideways mounted, 4500 series carburetors is required. The top is also compatible with EFI applications using two, forward or sideways mounted, 4500 flanged throttle bodies. Carbureted applications must use Linkage kit #7077. EFI applications will require fuel rail kit #3659. Replacement top-to-bottom gasket, #7355, is available separately if needed.

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 (QTY. 2)	PARTS REQUIRED FOR INSTALLATION
Appropriate 4500 Series Racing Carburetor	#7077 Throttle Linkage Kit

THROTTLE BODY RECOMMENDATIONS:

THROTTLE BODY (QTY. 2)	PARTS REQUIRED FOR INSTALLATION
Appropriate 4500 Series Carb Mount Flange	#3659 Fuel Rail Kit

THROTTLE AND ACCESSORY BRACKETS: Due to the design of the manifold, the throttle and kickdown bracket on some vehicles may require modification to fit.

GASKETS: Use only the recommended intake gasket: Edelbrock #7208 or Fel-Pro #1275. Replacement manifold top-to-base gaskets are available as needed: Edelbrock #7355.

NOTE: To ensure maximum performance and a proper seal, Edelbrock gaskets, which are specifically designed and manufactured for use with Edelbrock parts must be used.

CAMSHAFT AND HEADERS: The Victor Tunnel Ram manifold is compatible with racing camshafts and headers.

PREP AND TUNING FOR POWER:

PORT MATCHING: Each intake runner should be matched to the cylinder head port size on all four sides of runner exit. This would be the floor, roof and each sidewall per the included illustration (**See Fig. 1**). Any sharp edges left from port runner enlargement should be radius-blended to prevent high rpm air/fuel separation at the cylinder head. Due to the as-cast size of the Victor Tunnel Ram manifold runners, very small amounts of material need to be removed to match ports. No other modifications or material removal is necessary.

ENGINE BUILD: As an example for comparison, we built a 565 c.i.d. short deck engine using our 377cc 24°cylinder head (PN 61409), a 285°/300°/115 Comp cam, Jesel valvetrain, 2-1/4" header and two 2-1/4" Dominator carbs to make 1025 HP @ 7500 RPM.

INSTALLATION PROCEDURE

INTAKE MANIFOLD BASE

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 hold-down bolts. Hand tighten all bolts to approximately 5 ft./lbs. to center the manifold on the engine.
6. Torque all of the remaining manifold bolts in two steps by the sequence shown in **Figure 2** to 25 ft./lbs.

INTAKE MANIFOLD TOP

1. Apply Edelbrock Gasgacinch sealant, P/N 9300, to the gasket mating surface and install the gasket and manifold top.
2. Install and tighten the supplied hold down bolts to 15-18 ft./lbs, starting with the inner bolts and working outwards in a circular sequence.

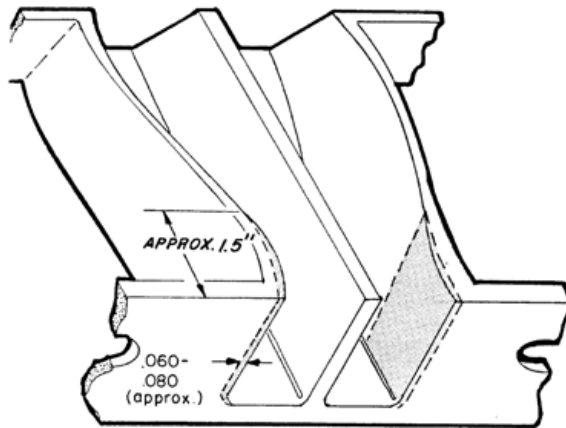
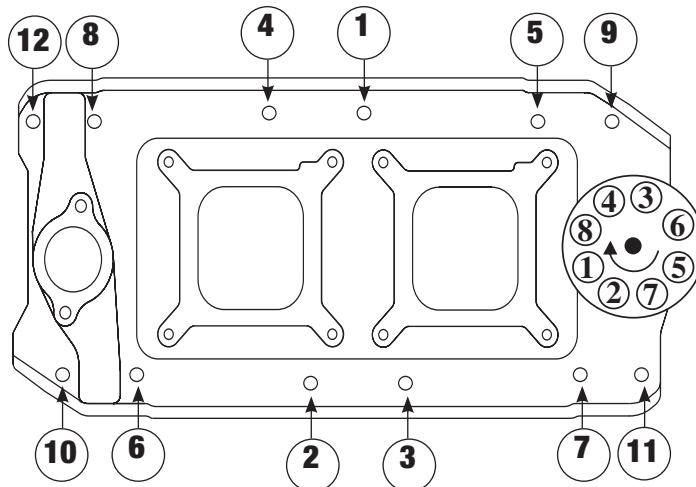


Figure 1 - Intake Manifold to Cylinder Head Port Match



**Figure 2 - 396-582 C.I.D. Chevrolet Bolt Torque Sequence
Torque Bolts To 25 ft./lbs.**

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

Turn Distributor Counter-Clockwise to Advance Ignition Timing

**Edelbrock LLC • 2700 California St. • Torrance, CA 90503
Tech-Line: 1-800-416-8628**