# PRO-FLO XT INTAKE MANIFOLD
# For 413-440 c.i.d. Big Block Chrysler Engines
# Part #7144
# 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**.

***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 Edelbrock Pro-Flo XT intake manifold is designed to allow the use of electronic direct port fuel injection on big block Chrysler engines. The height of the manifold from the end seal is 9.09" at the front and 8.20" at the rear. This intake manifold features a log style plenum and large free-flowing tunnel ram style runners. The throttle body flange can accomodate a bore of up to 90mm and is intended for use with the Pro-Flo XT throttle body, part #3869, for right side linkage applications, or Ford style throttle body #3818 for left side throttle linkage applications. A provision for installing an LS1-style MAP sensor has been drilled and a separate mounting bracket is supplied.

**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**.

- **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.

- **ENGINE MANAGEMENT:** This manifold was developed for use with the Pro-Flo XT EFI management system, part #3544. If this manifold is being used separately, it will require several additional components such as a throttle body and ECU, as well as sensors, injectors and rails before the installation can be completed. Although Edelbrock offers these components seperately, compatibility with your EFI system must be confirmed prior to puchasing and installing them.

- **MANIFOLD AIR PRESSURE SENSOR:** A bracket for mounting an LS1 style MAP sensor is included with this manifold. This sensor is sold separately as part #36019, but compatibility with your engine management system must be verified prior to purchase.

- **THROTTLE BODY RECOMMENDATIONS:** This manifold has been designed to optimize performance when used with a 90mm throttle body, such as the Pro-Flo XT throttle body, part #3869. Smaller LS1 throttle bodies (including Edelbrock part #3867 & #3868) will require an adapter for proper operation, part #2737. Care must be taken when selecting a throttle body as a larger orifice will increase pedal sensitivity.

- **WATER OUTLET:** Due to the limited clearance below the throttle body flange, a 90° waterneck may need to be purchased seperately.

- **THROTTLE BRACKETS:** A universal throttle cable bracket has been supplied with this intake manifold. It will work with most OEM cables using a square clip retention system or Lokar cables utilizing 5/16" holes, but some applications will require modification or substitution for proper operation. This manifold is not compatible with throttle rods and such systems should be converted to cable operation.

- **FUEL RAILS:** The Big Block Chrysler Pro-Flo XT Fuel Rail Kit has been designed for use with this manifold and is available as part #3644. This kit will allow the use of either Pico or standard height fuel injectors.

- **GASKETS:** We recommend Edelbrock intake gasket #7225 be used in conjunction with an OE-style vally pan. Do not use competition-style intake gaskets for these street manifolds. Due to material deterioration over time, internal leakage of vacuum, oil, and/or coolant may occur.

- **CAMSHAFT AND HEADERS:** Pro-Flo XT series manifolds are compatible with aftermarket camshafts and headers designed to work anywhere within the 1500-7000 rpm range. Header primary tube diameter should be 1-3/4".


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## INSTALLATION PROCEDURE

1. Use only recommended intake gaskets set when installing this intake manifold.
2. Fully clean the cylinder head intake flanges prior to applying gaskets.
3. Apply Edelbrock Gasgacinch sealant P/N 9300 to both cylinder head flanges and to the cylinder head side of the gaskets, allow them to air dry, then attach the intake gaskets.
4. Apply a coat of Gasgacinch to the top side of the intake gaskets, allow them to dry slightly, then install the factory valley pan gasket.
5. Install the intake manifold and hold-down bolts, following the torque sequence shown below.

***Big Block Chrysler Torque Sequence***
***Firing Order: 1-8-4-3-6-5-7-2***
***Turn Distributor Counter-Clockwise to Advance Ignition Timing***




**Edelbrock Corporation • 2700 California St. • Torrance, CA 90503**
**Sales Line: 310-781-2222 • Tech Line: 800-416-8628 • E-Mail: Edelbrock@Edelbrock.com**


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