



Performer and Performer RPM Intake Manifolds  
 For Big Block Chrysler V8 Engines  
 Catalog #s 2186, 2191, 7186, & 7193  
 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 mechanic. If you have any questions or problems, 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](mailto:edelbrock@edelbrock.com). PLEASE complete and mail your warranty card. Be sure to write the model number of this product in the "Part # \_\_\_\_" space. THANK YOU.

• DESCRIPTION:

Edelbrock Performer series intake manifolds are designed for engines operating in the idle to 5500 rpm range. Performer RPM series intake manifolds are designed for engines operating in the 1500-6500 rpm range. Match Performer or Performer RPM intake manifolds with recommended carburetors and additional equipment for even greater performance increases.

APPLICATIONS:

| INTAKE MANIFOLD | REFERENCE | APPLICATION  |
|-----------------|-----------|--|
| 2186            | B, C      | Performer 383: Designed for street 361-383-400 c.i.d. Chrysler V8s that measure 7.75" across the block. Includes pipe plugs to block EGR for non-EGR applications.   |
| 2191            | B, C      | Performer 440: Designed for street 413-426-440 c.i.d. Chrysler V8s that measure 8.75" across the block. Will not fit 1962-1964 Max Wedge cylinder heads. Includes pipe plugs to block EGR for non-EGR applications.            |
| 7186            | A, C      | Performer RPM 383: Designed for street 361-383-400 c.i.d. Chrysler V8s that measure 7.75" across the block. High flow runner design will handle popular stroker combinations. Will not fit 1962-1964 Max Wedge cylinder heads. |
| 7193            | A, C      | Designed for street 413-426-440 c.i.d. Chrysler V8s that measure 8.75" across the block. High flow runner design will handle popular stroker combinations. Will not fit 1962-1964 Max Wedge cylinder heads.                    |

- A - Not legal for sale or use on pollution controlled motor vehicles.
- B - Stock replacement/street legal in some applications. See "Stock Replacement Parts List for Intake Manifolds" insert, or Catalog for details.
- C - Available in additional finishes, such as polished, PermaStar, or EnduraShine. See Catalog for details.

- EGR SYSTEMS: Edelbrock EGR-equipped *Performer* manifolds are intended as a direct functionally identical replacement for their O.E.M. counterparts. All exhaust emissions or emissions related stock components are intended to be retained and functional. Performer RPM intake manifolds 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. Performer manifolds #2186 and 2191 are packaged with 2 pipe plugs. Install these plugs into the EGR pad if an EGR valve will not be used in your application.
- 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](http://www.edelbrock.com).

- CARBURETOR RECOMMENDATIONS:

Manifold 2186, 2191 (Emissions Controlled Applications):

| CARBURETOR | REFERENCE | PARTS REQUIRED FOR INSTALLATION |
|------------|-----------|---------------------------------|
| OEM 4BBL   | B, C, F   |                                 |

Manifold 2186, 2191 (Non-Emissions):

| CARBURETOR                     | REFERENCE     | PARTS REQUIRED FOR INSTALLATION               |
|--------------------------------|---------------|---|
| Thunder Series #1805 (650 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1806 (650 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1825 (650 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1826 (650 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1407 (750 cfm)      | A, D, E, F, G | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1411 (750 cfm)      | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1412 (800 cfm)      | A, D, E, F, G | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1413 (800 cfm)      | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1812 (800 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1813 (800 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |

Manifold 7186, 7193 (Non-Emissions):

| CARBURETOR                     | REFERENCE     | PARTS REQUIRED FOR INSTALLATION               |
|--------------------------------|---------------|---|
| Performer #1407 (750 cfm)      | A, D, E, F, G | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1411 (750 cfm)      | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1412 (800 cfm)      | A, D, E, F, G | #1481 or 1843 Chrysler throttle lever adapter |
| Performer #1413 (800 cfm)      | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1812 (800 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |
| Thunder Series #1813 (800 cfm) | A, D, E, F    | #1481 or 1843 Chrysler throttle lever adapter |

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

- THROTTLE BRACKETS: Due to the design of Performer manifolds, the throttle and kickdown bracket on some vehicles may require modification to fit.
- 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.

| INTAKE MANIFOLD        | REFERENCE | RECOMMENDED GASKET                                   |
|------------------------|-----------|--|
| 2186, 2191, 7186, 7193 | A         | Edelbrock #7225 Port: 1.23" x 2.27", .030" Thickness |

- A - Must be used with OEM style valley pan.

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.

- **PREP AND TUNING FOR POWER:**

NOTE: Local emission laws must be checked for legality of any carburetor or ignition changes.

**Performer Series Intake Manifolds**

1. The long equal length runners in the Performer manifold create a very strong signal to the carburetor. 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) Performer manifolds deliver excellent drivability and power utilizing stock distributor settings. Some applications may benefit from resetting the initial advance  $\pm 2^\circ$  from the factory specification.
- 3) Aftermarket ignitions and more aggressive advance curves may be used with Performer packages.
- 4) Installation of aftermarket headers or camshafts may lean the carburetor calibration. Should this occur recalibrate with a richer jet.

**Performer RPM Series Intake Manifolds**

1. Due to design, the fuel / air mixture and cylinder charging are very efficient with Performer RPM manifolds. Generally speaking, the stock jetting for a Performer or Thunder Series carburetor will not need changing. Specific applications may show an increase in power by tuning the fuel mixture.
2. Aftermarket distributor curve kits may be used with Performer RPM series manifolds.
3. Use modified or high performance cylinder heads such as our Performer RPM, and port-match the manifold to the heads.
4. The compression ratio should be at least 9.5 to 1 to work properly with Performer RPM camshafts.
5. Installation of aftermarket headers, camshafts or both with an Edelbrock Performer RPM series manifold may lean carburetor calibration. Should this condition occur, recalibrate with a richer jet.

- **CAMSHAFT AND HEADERS:** Performer Series manifolds are compatible with aftermarket camshafts and headers designed to work in the idle-5500 rpm range. Edelbrock has developed a dyno-matched, street proven camshaft (#2192 for 383-440 c.i.d. engines) for use with Performer Series intake manifolds. Header primary tube diameter should be 1-3/4". Performer RPM Series manifolds are compatible with aftermarket camshafts and headers designed to work in the 1500-6500 rpm range. Edelbrock has developed a dyno-matched, street proven camshaft (#7194 for 383-440 c.i.d. engines) for use with Performer RPM manifolds (see catalog for details). Header primary tube diameter should be 1-7/8".

**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) Use a factory style valley pan along with the recommended gaskets.
4. 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.
- 5) Install the intake manifold and hold-down bolts. Torque all of the manifold bolts in two steps by the sequence shown in Figure 1 to 25 ft/lbs.

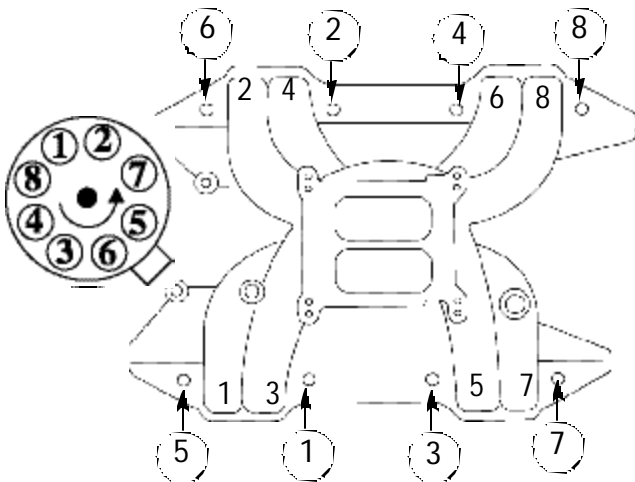


Figure 2 - 361-440 c.i.d. Chrysler Intake Manifold Torque Sequence  
 Torque Bolts to 25 ft/lbs.  
 Firing Order 1-8-4-3-6-5-7-2  
 Turn Distributor Clockwise to Advance Timing

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