



INSTALLATION INSTRUCTIONS

Chrysler Performer RPM/RPM Air Gap Manifold

For 340-360 c.i.d. V8, 1967-1991 Non-EGR

Catalog #7176, #7576

- **Please** study these instructions carefully before installing your new intake manifold. 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**.

Kit Contents
1 – 1/8-27 Pipe Plug
1 – 1/4-18 Pipe Plug
1 – 3/8-18 Pipe Plug

- **DESCRIPTION:** The Edelbrock Performer RPM manifold has been designed for 340-360 c.i.d. small-block Chrysler engines. It may be used on 318 c.i.d. V8s if the appropriate 340/360 type heads are used. The manifold accepts early carburetors only. The Performer RPM manifold provides good low rpm response for street performance vehicles while providing increases in horsepower and torque up to 6500 RPM. When used with any mix of aftermarket equipment designed for this operating range, the performance increases will be even greater.
- **POWER PACKAGE:** To realize the ultimate balance of power and torque, outfit your engine with our complete Power Package. Use the dyno-matched #7177 camshaft, valve springs #5777, Performer –Link Timing Chain set #7803, #6077 cylinder heads, and your choice of our #1405 (600 cfm), or our #1407 (750 cfm) carburetors. See our catalog for details. **To order a catalog, call (800) FUN-TEAM.**
- **ACCESSORIES:** Edelbrock offers a full line of chrome and Elite Series Valve covers and air cleaners for SB Chrysler engines.
- **EGR SYSTEMS:** This manifold will not accept stock EGR (Exhaust Gas Recirculation) equipment or exhaust-heated chokes. EGR systems are used on some 1972 and later model vehicles and only in some states. Check local laws for requirements. This manifold is not legal for use on any emissions-controlled vehicle where such equipment is required.
- **CARBURETOR RECOMMENDATIONS:**

CARBURETOR	REFERENCE	PARTS REQUIRED FOR INSTALLATION
Performer #1405 (600 cfm)	A, I, N, O	#1481 Chrysler Throttle Lever Kit for Automatic Transmission
Performer #1407 (750 cfm)	A, I, K, N, O	same as #1405 recommendations

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

INSTALLATION INSTRUCTIONS

- **GASKETS: CAUTION** – Do not use competition style intake gaskets for street applications. Due to long term material deterioration under street driving conditions, internal leakage of both vacuum and oil may occur.
- 1) Use only Fel-Pro Printoseal #1213 intake gasket or OEM equivalent (except in tray type) when installing this manifold for street applications.
 - 2) Fully clean all traces of old gasket material and sealant from all of sealing surfaces. Apply Edelbrock Gasgacinch to both the head intake flange and back of gasket. Let dry and install gasket to head.
 - 3) **Dowel Pin Removal:** Remove the dowel pins from the front and rear valley gasket surfaces of the engine block. Use Vise Grips, or a dowel pin puller, etc., to remove the pins.
 - 4) Do not use cork or rubber end seals. Use RTV silicone sealer instead. Apply a 1/4" high bead across each block end seal surface, overlapping the intake gasket at the four corners. This method will eliminate end seal slippage and deterioration.
 - 5) For ease of installation and a cleaner look, we recommend using Edelbrock Manifold Bolt and Washer Kit #8579.

- **MANIFOLD TORQUE:** Torque all manifold bolts circled in Figure 1 to 25 ft./lbs. See Figure 1 for proper sequence.
- **BRACKETS:** On vehicles with cruise control, a bracket must be made to move the cruise control clamp. This ensures proper clamping of control cable. See Figure 2. Second, due to the high rise nature of the Performer RPM manifold, there may be interference between the throttle linkage bracket and the intake runner wall. Some minor filling of the bracket will solve the problem.
- **AIR CLEANERS:** In some applications using the Performer carburetor, there may be an interference problem with the stock air cleaner. If this occurs, you can use the Edelbrock air cleaner spacer #8092 or Pro-Flo air cleaner #1221. **Due to the extra height of the Air-Gap manifold, always check for clearance before closing the hood for the first time.**
- **PREP AND TUNING FOR POWER:**
 - 1) The long equal length runners in the RPM Air-Gap manifold create a very even air/fuel mixture distribution. In general, the stock jetting in the recommended carburetor will not need changing. Refer to your carburetor owner's manual for details.
 - 2) Aftermarket ignitions and aggressive advance curves are recommended with Performer RPM packages. Total advance will vary with cylinder head design. Our Performer RPM heads run best with 36° total timing.
 - 3) Use modified (three-angle valve job, bowl blend, and port-matched to Fel-Pro 1213 or equivalent gasket) stock heads or Edelbrock aluminum heads for best results. Port match the manifold exits .020" per side smaller than the Fel-Pro 1213 gasket.
- **CAMSHAFT AND HEADERS:**
The Performer RPM and RPM Air-Gap 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, the #7177 for use with the #7576 manifold. This cam requires the use of adjustable Edelbrock Sure-Seat valve springs #5777 on factory iron heads (Edelbrock #6077 heads have the correct springs already). Recommended compression ratio is 9.5 to 1. Header primary tube diameter should be 1-5/8" to 1-3/4". Use aftermarket headers, camshaft, or both, with an Edelbrock Performer RPM Air Gap manifold may lean carburetor calibration. Should this occur, recalibrate with a richer jet.
- PLEASE complete and mail your warranty card. Be sure to write the model number of this product in the "Part # _____" space.

THANK YOU.

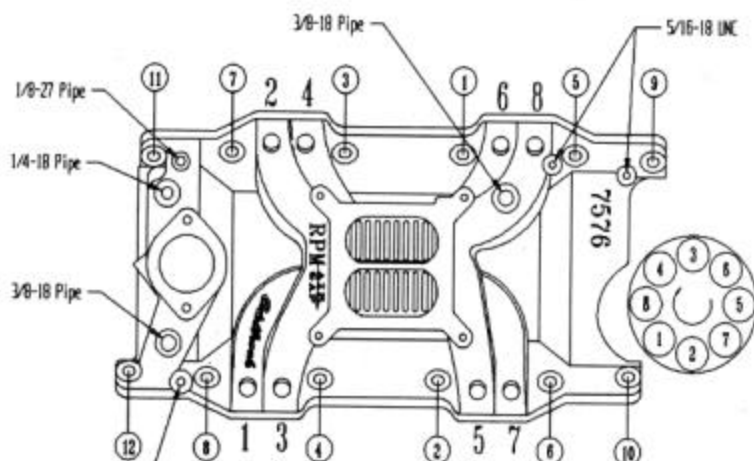


FIGURE 1 - INTAKE MANIFOLD BOLT TIGHTENING SEQUENCE AND FIRING ORDER
Firing Order - 1-8-4-3-6-5-7-2
Turn distributor counter-clockwise to advance timing

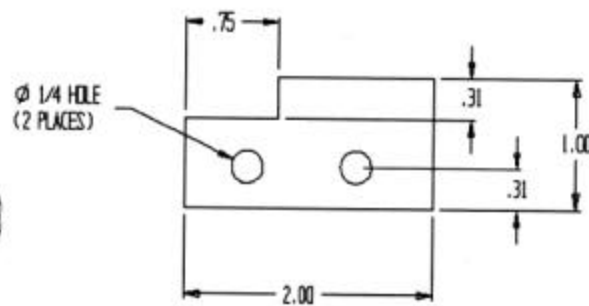


FIGURE 2