



# PERFORMER MANIFOLD

MODEL: Non-EGR for Chevrolet 90° V6, 4.3L Vortec

CATALOG #2114

## INSTALLATION INSTRUCTIONS

- **Please** study these instructions carefully before installing your new manifold. If you have any questions or problems, please call our **Technical Hotline at: 1-800-416-8628**, 7:00 am to 5:00 pm, Monday - Friday, Pacific Standard Time or e-mail us at [edelbrock@edelbrock.com](mailto:edelbrock@edelbrock.com).
- **EGR SYSTEM:** This manifold will not accept stock EGR (exhaust gas recirculation) equipment. Not legal on pollution-controlled motor vehicles.
- **MANIFOLD:** This manifold will not accept any O.E.M. carburetor systems. We suggest you use the carburetor listed in the carburetor recommendations. This manifold was designed for street rod, off-road and marine applications.
- **ACCESSORIES & INSTALLATION ITEMS:** Major recommendations are listed below. Please review each part listed in the Installation Items section of the Edelbrock catalog to decide whether more items are required for your specific vehicle than are mentioned in these instructions.
- **MARINE APPLICATIONS:** This manifold has been designed to accept either MerCruiser or OMC waterneck housings using the lateral bolt holes of the waterneck flange in the manifold. Because of carburetor interference, the use of a 1" high divided carb spacer (such as Edelbrock #8714) may be necessary. Waterneck housings vary, so determine if spacer is needed prior to installation. If marine carburetor #1409 is used, you must re-calibrate the carburetor with Calibration Kit #1485. **NOTE:** Salt water will corrode coolant passageway of manifold and greatly shorten manifold service life.
- **CARBURETOR RECOMMENDATIONS:** Use only carburetors recommended. If parts required for installation are unavailable locally, contact Edelbrock directly.

| CARBURETOR                | REFERENCE                      | PARTS REQUIRED FOR INSTALLATION               |
|---------------------------|--------------------------------|---|
| Performer #1403 (500 cfm) | A, F, I, K (for 4.3L only)     | (none)  |
| Performer #1404 (500 cfm) | A, F, I, K (for 4.3L only)     | (none)  |
| Performer #1409 (600 cfm) | A, F, I (for 4.3L Marine only) | #1485 Calibration Kit for Marine Applications |

A - Carburetor will work with non-EGR (Exhaust Gas Recirculation) or pre-emission control system.

F - Use carb-to-manifold base gasket supplied with carb.

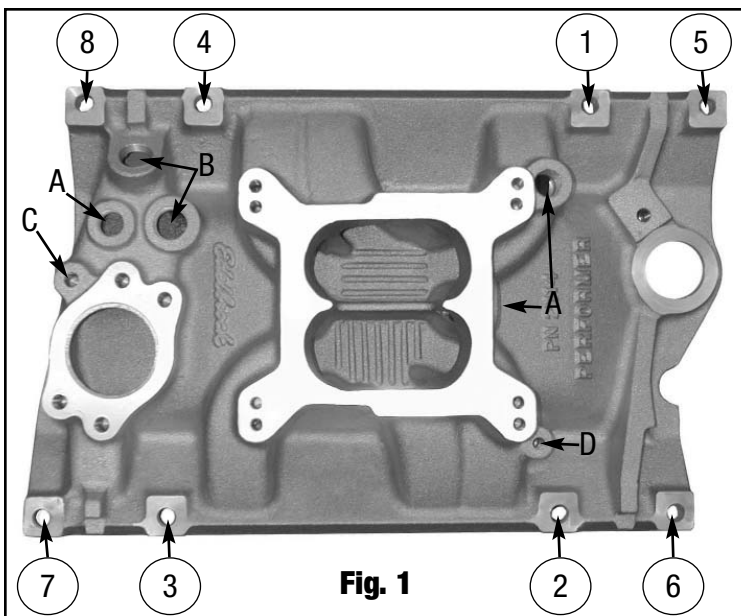
I - Carburetor has no provision for evaporative canister.

K - Carburetor requires #8008 or #8024 stud, nut and washer kit. Determine length needed before installation.

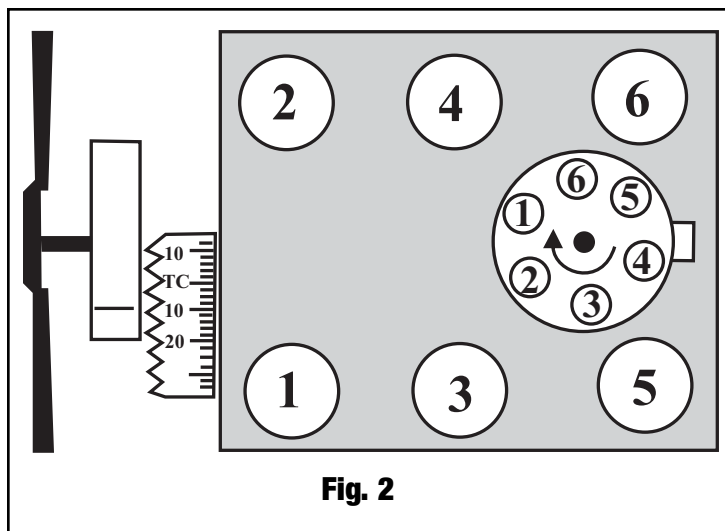
### • GASKETS AND SEALANT

1. Use only original equipment intake gasket set GM #12529196 when installing this Edelbrock manifold. If the original gasket is in good condition, it may be re-used.
2. Do not use any type of gasket sealer on intake gaskets. The rubber O-rings will seal without chemical sealers.
3. Eliminate the end seals. Use automotive grade RTV silicone instead. Apply a bead of sealant approximately 1/4" high across the block end seal surface, overlapping the intake gasket at the four corners. This method eliminates end seal slippage and deterioration.

- **MANIFOLD TORQUE** - Apply Loctite 222 to the intake bolt threads. Carefully tighten the intake manifold bolts evenly until the intake manifold has compressed the o-ring section of the gasket. Torque all of the manifold bolts in the sequence shown in Figure 1 to 11 ft/lbs or 15.0 Nm.
- **FIRING ORDER AND CYLINDER NUMBERING** - For cylinder numbering and firing order, see Figure #2.
- **FINAL TUNING**
  1. Due to design, the fuel / air mixture and cylinder charging are very efficient with Performer manifolds. Generally speaking, the stock jetting for the recommended aftermarket carburetors will not need changing. Specific applications may show an increase in power by enriching the secondary jetting .003 from the stock setting.
  2. Installation of aftermarket headers, camshafts or both with an Edelbrock Performer manifold may lean carburetor calibration. Should this condition occur, re-calibrate with a richer jet.
  3. For maximum power, port-match the manifold to the heads.
- **CAMSHAFT AND HEADERS**  
 Performer manifolds are compatible with aftermarket camshafts and/or headers. Header Primary tube diameter should be 1-1/2" to 1-5/8".



**Fig. 1**



**Fig. 2**

**Hole Chart**

A= 3/8    C= 3/8-16  
 B= 1/2    D= 5/16-18

- **PLEASE** complete and mail your warranty card. Be sure to write the model number of this product in the "Part # \_\_\_\_" space. Thank you.

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