# CHRYSLER CH-28 DUAL QUAD INTAKE MANIFOLD
# For 413-440 c.i.d. Chrysler V8
# Catalog #5440
# 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**..

***NOTE:*** *Proper installation is the responsibility of the installer. Improper installation may result in poor performance and engine or vehicle damage.*

**PLEASE** complete and mail your warranty card. Be sure to write the model number of this product in the "Part #____" space. **THANK YOU**.

- **DESCRIPTION:**
  The CH-28 Dual Quad intake manifold is designed for 413, 426 (wedge), and 440 c.i.d. Chrysler V8 engines. It combines two small four-barrel carburetors with a dual plane layout to achieve the best balance of drivability, great looks, and outstanding performance for muscle car, street rod and marine applications. Edelbrock has developed special air filters for this manifold. To give your engine the ultimate custom look, the polished aluminum Elite Series oval air cleaner (P/N 4235) is suggested. Chrome oval air cleaner (P/N 1235) or two 6" round, Pro-Flo air cleaners (P/N 1209) are also available. Please note "Brackets" section below for your particular installation.

- **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.

- **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) | REFERENCE | PARTS REQUIRED FOR INSTALLATION |
|---|---|---|
| **Performer #1405 (600 cfm)** | A, I, K, O | #7094 Dual Quad Throttle Kit, #8088 Dual Quad fuel line kit |

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

- **ELECTRIC CHOKE:** If electric choke is desired, use Electric Choke kit P/N 1478 on the rear carburetor only. Do not use an electric choke carburetor and a manual choke carburetor together, because the electric and manual choke carburetors have different calibrations and venturis. We recommend using two manual choke carburetors, wiring the front choke open, and adding electric choke to the rear carburetor.

- **THROTTLE & ACCESSORY BRACKETS:** Due to the design of 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 |
|---|---|---|
| **5440** | 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.**


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- **PREP AND TUNING FOR POWER:**
  **NOTE:** This manifold will produce optimum power and drivability when used with #1405 carburetors. Please refer to Edelbrock Performer Series Carburetor Owner's Manual for tuning procedures.
  1. Edelbrock has found, while dyno testing on a Performer level engine at our location, the best calibration to be: Metering Rods - .070" x .047" (stock 1405), Primary Jets - .098" (provided with intake manifold), and Secondary Jets - .086" (provided with intake manifold). This will vary according to engine build and atmospheric conditions. Use it as a starting point. However, if used for racing or marine installation, further tuning may be necessary.
  2. Aftermarket distributor curve kits may be used with this intake manifold. A basic ignition curve of 12° to 14° initial and a total of 36° to 38° advance is a good starting point.
  3. Use modified or high performance cylinder heads such as our Performer RPM.
  4. Installation of aftermarket headers, camshafts or both may lean carburetor calibration. Should this condition occur, recalibrate with a richer jet.

- **CAMSHAFT AND HEADERS:** Dual Quad manifolds are compatible with aftermarket camshafts and headers. Header primary tube diameter should be 1-7/8", depending on the specific engine combination. Edelbrock has developed two camshafts for use with this intake manifold - Performer-Plus #2192 or Performer RPM #7194. Please check the catalog or website for rpm and application guidelines.

## INSTALLATION

1. Use only recommended intake gaskets set when installing this intake manifold. For ease of installation, we recommend Edelbrock Manifold Bolt and Washer Kit, #8594.
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.

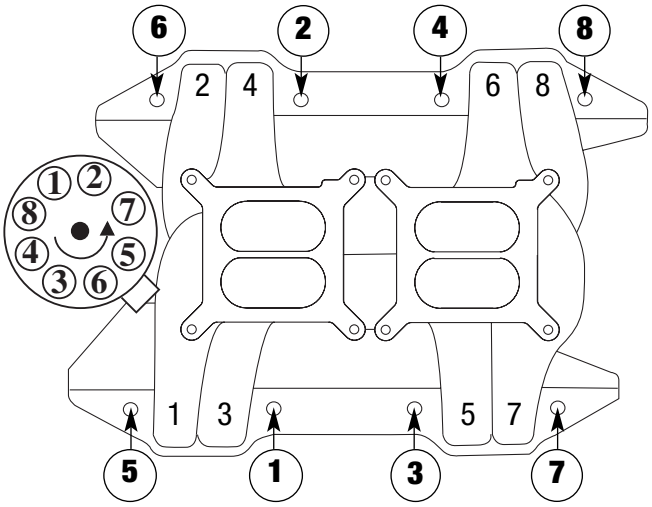


***Figure 1 - 361-383-400 c.i.d. Chrysler Intake Manifold Torque Sequence***
***Torque Bolts to 25 ft/lbs.***
***Firing Order 1-8-4-3-6-5-7-2***
***Turn Distributor Clockwise to Advance Timing***

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