



PERFORMER 3-PIECE, SINGLE CARB INTAKE MANIFOLDS for 1984 & Later Harley-Davidson® Evolution® "Big Twin", and 1999 & Later Twin Cam 88 Engines 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. If your question is motorcycle carburetor-related, please call our Edelbrock Motorcycle Carburetor division at 1-877-888-7504, Ext. 2.

IMPORTANT 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 Edelbrock Performer 3-piece intake manifolds are designed for street high performance use with Edelbrock Performer or Performer RPM heads only. Some manifolds are for grommet-mount carburetors, and others fit flange-mount carbs (see chart on next page). These intake manifolds are designed to make excellent power increases in the stock rpm range of the Harley-Davidson® "Big Twin" engine (idle to 6000 rpm). These manifolds and heads feature a rectangular shaped intake port for a noticeable increase in air flow. This .125" raised rectangular intake port also helps to increase the velocity of the incoming air for more power. These intake manifolds can only be used on Edelbrock heads because of the unique port shape. Performer manifolds fit 1984 and later Evolution® "Big Twin" motors with Edelbrock Performer or Performer RPM heads, and 1999 and later Twin Cam 88 motors with Edelbrock Performer RPM heads.

When used with Performer cylinder heads, Performer intake manifolds are street legal in all 50 states. (C.A.R.B. E.O. Call Edelbrock for detailed information).

INSTALLATION PROCEDURE

MANIFOLD INSTALLATION

NOTE: Manifold installation will usually be performed along with installation of Edelbrock cylinder heads. Refer to cylinder head instructions for step-by-step procedures, if necessary. These instructions cover only the procedures that apply to Edelbrock 3-piece intake manifolds.

1. Inspect manifold for any nicks or other damage on the sealing surfaces.
2. On Twin Cam 88 motors, transfer the MAP sensor from the stock manifold, lubricate the seal with lightweight oil and secure with the 8-32X1/4 socket head cap screw provided in kit
3. Note that flanges are marked front and rear. Place flanges on manifold with the 30° tapered side facing out (toward the head) and the slotted bolt holes to the rear of the manifold.
4. Lubricate grommets with a lightweight oil such as fork oil or brake assembly lube (not brake fluid) Note that the grommets are rectangular, and will only fit on manifold one way. Push grommets onto manifold as far as they will go.

5. Place manifold in position on cylinder heads, being careful not to pinch or fold-over grommet.
6. Start all four manifold bolts and washers by hand, then tighten each bolt gradually, moving from bolt-to-bolt in small steps. There is no room for a torque wrench, but final torque should be very firm (18-23 ft./lbs.). If desired, you may use a non-permanent locking compound, such as green Locktite®, on bolt threads.

NOTE: You must use the AN washers supplied on the manifold bolts to prevent over-stressing and cracking the flanges.

CARBURETOR MOUNTING

Because the 3-piece manifold "floats" between the two cylinder heads, it is very important that the carburetor is properly supported to prevent manifold droop and resultant leakage at the grommets. Be sure that the air cleaner backing plate is secured or that the necessary air cleaner support brackets are used.

REPLACEMENT PARTS

Replacement grommets and flanges are available through your local motorcycle shop.

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EDELBROCK INTAKE MANIFOLDS FOR "EVOLUTION" BIG TWIN APPLICATIONS

Width	3-Pc. Flange Intake*	3-Pc. Spigot Intake*◆	3-Pc. S&S "G"/48mm Mikuni	3-Pc. S&S "D"	3-Pc. 45mm Mikuni/44mm CV
Stock	1671	1670	1669	1760	1750
Narrow (-.050")	1676	1677	1683	1761	1751
More Narrow (-.100")	3042	1659	3034	1762	1757
Extra Narrow (-.175")	3031	3030	3032	1767	1752
Ultra Narrow (-.240")	3033	3043	3044	1763	1756
Wide (+.075")	1674	1675	1684	1765	1753
Extra Wide (+.200")	1682	9289	1685	1766	1755
Ultra Wide (+.265")	-	-	1786	1759	1758

EDELBROCK INTAKE MANIFOLDS FOR TWIN CAM APPLICATIONS

Width	3-Pc. Flange Intake*	3-Pc. Spigot Intake	3-Pc. S&S "G"/48mm Mikuni	3-Pc. S&S "D"	3-Pc. 45mm Mikuni/44mm CV	3 Pc. 48mm Mikuni
Stock	3120	3121	3122	3128	3123	3129
Wide (+.075")	1780	1781	1782	1783	1784	1785

NOTE: 100-inch motor may require custom fitting to your combo.

Specifications are based off Edelbrock's cylinder head milling dimensions. For custom applications, please ask your local engine builder.

*Will also fit SS Super "E" carburetor.

*◆ Will also fit Mikuni 40/42mm carburetor

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