



PERFORMER X INTAKE MANIFOLD

For 1992-1995 Honda Civic EX/Si with D16Z6 Engine

Catalog #4754

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.

IMPORTANT NOTE: Proper installation is the responsibility of the installer. Improper installation will void your warranty and may result in poor performance and engine or vehicle damage.

DESCRIPTION: The Performer X intake manifold is designed for the Honda D16Z6 engine in the 1992-1995 Civic EX/Si. The throttle body mounting flange has been angled to help clear stock componentry, yet allow the integration of 9" runners and a larger plenum for best performance in the 3500-7500 rpm range (**NOTE: Minor modifications to your air intake tube may be required**). The Performer X intake manifold also includes four (4) secondary fuel injector bosses for turbocharged or alcohol fuel applications. These are partially machined and may be drilled through if you wish to use a secondary fuel rail and injectors (Edelbrock Part #4752). The Performer X manifold utilizes a 62mm throttle body opening to accept oversize throttle bodies without port matching.

EMISSIONS SYSTEMS: The Performer X intake manifold is intended as a direct replacement for the factory intake manifold. All emissions related factory components are to be retained and functional. The manifold is, therefore, legal for street use in all 50 states, and no C.A.R.B. E.O. number is required. Check local laws for requirements.

RECOMMENDED PARTS: The following are recommended but not required for use with the Performer X intake manifold:

1. Edelbrock Pro-Flo Fuel Rail Kit - Part # 4794
2. Russell Stainless Steel Fuel Line Kit - Part # 641120
3. Edelbrock Secondary Fuel Rail Kit - Part # 4752
(For applications requiring additional injectors)

KIT CONTENTS:

- | | |
|---|---|
| <input type="checkbox"/> 1 Performer X Intake Manifold | <input type="checkbox"/> 1 1/4" NPT Pipe Plug |
| <input type="checkbox"/> 1 Intake Manifold Gasket #15005 | <input type="checkbox"/> 2 1/8" NPT x 3/16" Hose Barb Fitting |
| <input type="checkbox"/> 1 D16Z6 Throttle Bracket | <input type="checkbox"/> 1 1/4" NPT Male x 1/4" NPT Female Elbow |
| <input type="checkbox"/> 1 Honda IAC Cover Plate | <input type="checkbox"/> 1 1/8" NPT Male x 8mm Hose Barb Fitting |
| <input type="checkbox"/> 2 IAC Cover Bolts (8mm x 1.25 x 20mm long) | <input type="checkbox"/> 1 1/4" NPT Male x 9mm Hose Barb Fitting |
| <input type="checkbox"/> 1 IAC Cover Gasket | <input type="checkbox"/> 1 1/4" NPT Male x 10mm Hose Barb Fitting |
| <input type="checkbox"/> 5 1/8" NPT Pipe Plugs | <input type="checkbox"/> 1 3/8" NPT Male x 17mm Hose Barb Fitting |

INSTALLATION PROCEDURE

Before Beginning: Keeping a Honda Civic Service Manual for your specific vehicle on hand for reference is helpful.

REMEMBER: WHEN WORKING AROUND GASOLINE, DO NOT SMOKE, and KEEP ALL OPEN FLAMES, SPARKS AND OTHER SOURCES OF IGNITION AWAY FROM THE WORK AREA. Failure to do so can result in a FIRE or EXPLOSION.

FACTORY INTAKE MANIFOLD REMOVAL AND DISASSEMBLY

1. Disconnect the battery and disconnect the air intake tube from the throttle body. Drain the engine coolant by loosening the petcock at the bottom of the radiator. Use a drain pan to collect drained coolant. Keep the coolant clean and free of dirt and debris, it can be re-used later.
2. Relieve fuel pressure by loosening the banjo bolt connecting the fuel line to the fuel filter. Place a shop towel or rag over the wrench while loosening the banjo to soak up any fuel spray (**See Fig. 1**).



Fig. 1

When loosening or tightening the banjo bolt on the fuel filter can, use a 19mm wrench on the hex of the fuel filter can to counteract the torque of loosening or tightening the banjo bolt. This will prevent the fuel filter can and bracket from being improperly loaded during loosening or tightening at the banjo bolt.

3. Disconnect the fuel injector wiring harness from the bracket on the fuel rail and unplug the harness from the fuel injectors.

NOTE: Mark sensor connectors before removal. Some sensors have same plug ends. Make note of the locations of each plug on the harness to prevent improper connection during re-installation.

Disconnect the Throttle Position Sensor and Idle Air Control Motor connectors. Disconnect the PCV valve hose from the intake manifold. Disconnect the fuel return line from the steel chassis fuel line. Disconnect the fuel line from the fuel filter. Disconnect the coolant lines from the throttle body and manifold flange.

NOTE: Some coolant will drain from the coolant lines leading into the intake manifold when they are disconnected.

Remove the two bolts at the rear of the stock manifold attaching the manifold support bracket. Disconnect the vacuum lines at the rear of the manifold. Remove the throttle cable. Remove the factory intake manifold nuts. Remove the stock intake manifold assembly and set aside. You may now remove the stock intake manifold support brace.

4. Stuff the open intake ports in the cylinder head with paper towels to prevent any debris from entering the engine. Thoroughly clean the gasket surface removing any remaining sealant or gasket material.

PERFORMER X INTAKE MANIFOLD PREPARATION

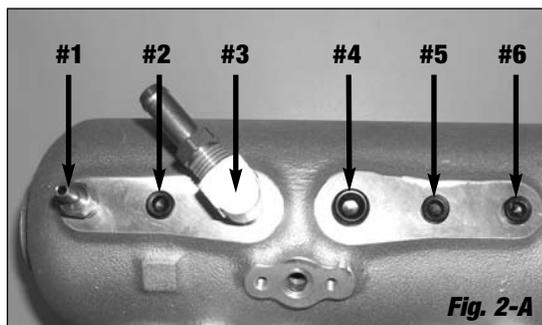
NOTE: Refer to the chart below for all Fitting Descriptions.

#1	1/8 NPT x 3/16" Barb (Cruise Control)
#2	1/8 NPT Pipe Plug
#3	1/4 NPT Elbow & 1/4 NPT x 10mm Barb (Power Brake Booster)
#4	1/4 NPT Pipe Plug
#5	1/8 NPT Pipe Plug
#6	1/8 NPT Pipe Plug
#7	1/8 NPT x 3/16" Barb (Fuel Regulator)
#8	9mm Barb x 1/4 NPT (PCV Valve)
#9	3/8 NPT x 17mm Barb (Water Outlet)
#10	1/8 NPT x 8mm Barb (Water Outlet Tee)

Fitting Description Chart

1. **NOTE:** Use anti-seize or teflon paste on the threads of fittings before installing them into the intake manifold.

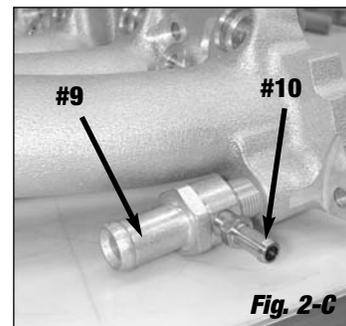
Install the vacuum fittings into the underside of the Performer X intake manifold (**See Fig. 2-A**).



Install the vacuum fittings into the top of the Performer X intake manifold (**See Fig. 2-B**).



Install the water outlet fitting into the mounting flange and install the 1/8" NPT x 8mm barb into the water outlet fitting (**See Fig. 2-C**).



2. Remove Idle air control motor from factory intake manifold and install onto the Performer X intake manifold

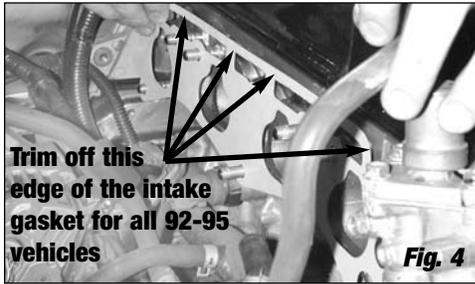
NOTE: If the vehicle is equipped with the IAC motor mounted on the throttle body instead of the intake manifold, install the supplied IAC Cover Plate using the two supplied 8mm x 1.25 x 20mm bolts and the supplied gasket. Leave the IAC motor installed on the throttle body.

Remove the throttle body, and two throttle body studs from the factory intake manifold. Using two nuts on each stud, and jamming them, will help get the studs out of the stock intake manifold (**See Fig. 3**). Install the two throttle body studs into the Performer X intake manifold, one on the upper right bolt hole of the throttle body mounting flange and one on the lower left bolt hole. Install the stock throttle body onto the Performer X manifold. Install the supplied throttle bracket onto the Performer X manifold using the stock bolts. Remove the stock fuel rail, fuel injectors, fuel pressure regulator, fuel-rail-studs and spacers and install onto the Performer X manifold using the OEM hardware. Inspect all o-rings and seals for wear and replace if necessary.



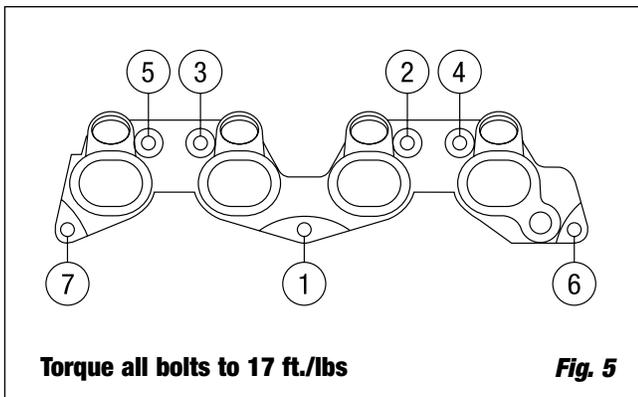
PERFORMER X INTAKE MANIFOLD INSTALLATION

1. Trim the upper edge of the supplied intake manifold gasket (**See Fig. 4**).



2. Using the supplied gasket, install the Performer X manifold/throttle body/fuel rail assembly onto the engine. Torque all bolts to 17 ft./lbs. in the sequence shown (**See Fig. 5**).

Remember: Remove the paper towels or rags before installing the intake manifold.



3. Re-connect all factory sensors and vacuum hoses. Re-connect the factory fuel injector wiring harness to the stock fuel injectors, and re-attach the harness to the fuel rail bracket. Re-connect the stock throttle cable to the bracket and following the factory service manual, adjust the throttle cable for proper operation.
4. Connect the Fuel Filter to the fuel rail and reconnect the fuel return line. Re-fill the coolant to the factory specified level.
5. Turn the key to the engine "on" position and check for fuel leaks. If leaks exist, turn key to "off" and repair leaks before continuing. If no leaks exist, start the engine and check for water and/or fuel leaks.

NOTE: After any installation, always repair any leaks before driving the vehicle.



Edelbrock Corporation • 2700 California St. • Torrance, CA 90503
Tech-Line: 1-800-416-8628 • E-Mail: Edelbrock@Edelbrock.com