



## Performer and Performer RPM Intake Manifolds For 326-455 c.i.d. Pontiac 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 mechanic. 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](mailto:edelbrock@edelbrock.com).

#### DESCRIPTION:

Edelbrock Performer series intake manifolds are designed for engines operating in the idle to 5500 rpm range. Performer RPM series intake manifolds are designed for engines operating in the 1500-6500 rpm range. Match Performer or Performer RPM intake manifolds with recommended carburetors and additional equipment for even greater performance increases.

#### APPLICATIONS:

INTAKE MANIFOLD	REFERENCE	APPLICATION
2156, 3756	B, C	Performer Pontiac: Designed for street 1965-1979 Pontiac 326-455 c.i.d. V8s (except Ram Air V). Will not fit 265/301 V8s. #3756 will accept EGR. On Trans Am, use OEM 4bbl carburetor for Shaker Hood clearance. For 1968-1971, use Edelbrock #8015 throttle bracket. Choke plate included. Manifold will accept HEI distributor.
7156	A, C	Performer RPM Pontiac: Designed for 1965-1979 Pontiac 326-455 c.i.d. V8s (except Ram Air V). Will not fit 265/301 V8s. For 1968-1971, use Edelbrock #8015 throttle bracket. Manifold has clearance for HEI distributor. Will not fit under Shaker hood without modifications. No provisions for OEM choke, OEM carb requires conversion to manual or electric choke to be used.

A - Not legal for sale or use on pollution controlled motor vehicles.

B - Stock replacement/street legal in some applications. See "Stock Replacement Parts List for Intake Manifolds" insert, or Catalog for details.

C - Available in additional finishes, such as polished, PermaStar, or EnduraShine. See Catalog for details.

- EGR SYSTEMS: Edelbrock EGR-equipped *Performer* manifolds are intended as a direct functionally identical replacement for their O.E.M. counterparts. All exhaust emissions or emissions related stock components are intended to be retained and functional. Non-EGR equipped manifolds 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](http://www.edelbrock.com).

#### CARBURETOR RECOMMENDATIONS:

Manifold 2156, 3756 (Emissions Controlled Applications):

CARBURETOR	REFERENCE	PARTS REQUIRED FOR INSTALLATION
OEM	B, H, N	1/4" thick OEM carburetor gasket for same year and model of vehicle

Manifold 2156 (Non-Emissions):

CARBURETOR	REFERENCE	PARTS REQUIRED FOR INSTALLATION
Performer #1405 (600 cfm)	A, I, K, N, O	#8015 Throttle bracket for 1968-1971
Performer #1406 (600 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1805 (650 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1806 (650 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971

Manifold 2156 (Non-Emissions) Continued:

CARBURETOR	REFERENCE	PARTS REQUIRED FOR INSTALLATION
Thunder Series #1825 (650 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1826 (650 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Performer #1407 (750 cfm)	A, I, K, N, O	#8015 Throttle bracket for 1968-1971
Performer #1411 (750 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Performer #1412 (800 cfm)	A, I, K, N, O	#8015 Throttle bracket for 1968-1971
Performer #1413 (800 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1812 (800 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1813 (800 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971

Manifold 7156 (Non-Emissions):

CARBURETOR	REFERENCE	PARTS REQUIRED FOR INSTALLATION
Performer #1407 (750 cfm)	A, I, K, N, O	#8015 Throttle bracket for 1968-1971
Performer #1411 (750 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Performer #1412 (800 cfm)	A, I, K, N, O	#8015 Throttle bracket for 1968-1971
Performer #1413 (800 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1812 (800 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971
Thunder Series #1813 (800 cfm)	A, I, K, N	#8015 Throttle bracket for 1968-1971

A - Carburetor will work with non-EGR or pre-emission control systems.

B - Carburetor will work with EGR system.

H - Carburetor has provision for evaporative canister.

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.

N - Carburetor accepts factory cruise control

O - Carburetor comes with manual choke. It can be converted to electric choke using kit #1478.

- **BRACKETS:** Due to the design of Performer manifolds, the throttle and kickdown bracket on some vehicles may require modification to fit. For 1972 and later vehicles, use the supplied #8014 bracket. For 1968-1971, use #8015 throttle bracket. If your upper rear air conditioner bracket does not fit, use Pontiac part #489985. If the stock choke tube does not work, use Pontiac #525013.
- **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
2156, 3756, 7156		Edelbrock #7280 Port: 1.18" x 2.20", .060" Thickness

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.

• **PREP AND TUNING FOR POWER:**

NOTE: Local emission laws must be checked for legality of any carburetor or ignition changes.

**Performer Series Intake Manifolds**

1. The long equal length runners in the Performer manifold create a very strong signal to the carburetor. In some applications, the stock rods or jets may need changing for best overall performance. Refer to your carburetor owner's manual for details.
- 2) Performer manifolds deliver excellent drivability and power utilizing stock distributor settings. Some applications may benefit from resetting the initial advance  $\pm 2^\circ$  from the factory specification.
- 3) Aftermarket ignitions and more aggressive advance curves may be used with Performer packages.
- 4) Installation of aftermarket headers or camshafts may lean the carburetor calibration. Should this occur recalibrate with a richer jet.

### Performer RPM Series Intake Manifolds

1. Due to design, the fuel / air mixture and cylinder charging are very efficient with Performer RPM or RPM Air-Gap manifolds. Generally speaking, the stock jetting for a Performer Series or Thunder Series carburetor will not need changing. Specific applications may show an increase in power by tuning the fuel mixture.
  2. Aftermarket distributor curve kits may be used with Performer RPM series manifolds.
  3. Use modified or high performance cylinder heads such as our Performer RPM, and port-match the manifold to the heads.
  4. The compression ratio should be at least 9.5 to 1 to work properly with Performer RPM camshafts.
  5. Installation of aftermarket headers, camshafts or both with an Edelbrock Performer RPM series manifold may lean carburetor calibration. Should this condition occur, recalibrate with a richer jet.
- CAMSHAFT AND HEADERS: The Performer Series manifolds are compatible with aftermarket camshafts and headers designed to work in the idle-5500 rpm range. Edelbrock has developed a dyno-matched, street proven camshaft (#2157 for 350-455 c.i.d. engines) for use with Performer Series intake manifolds. Header primary tube diameter should be 1-5/8" to 1-3/4" depending on engine displacement. Performer RPM Series 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 (#7157 for 350-455 c.i.d. engines) for use with Performer RPM series manifolds (see catalog for details). Header primary tube diameter should be 1-3/4" to 1-7/8" depending on engine displacement.
  - PLEASE complete and mail your warranty card. Be sure to write the model number of this product in the "Part #\_\_\_\_" space. THANK YOU.

### INSTALLATION INSTRUCTIONS

- 1) Use only recommended intake gaskets set when installing this intake manifold. For ease of installation, we recommend Edelbrock Manifold Bolt and Washer Kit, #8559.
- 2) Fully clean the cylinder head intake flanges and the engine block end seal surfaces.
- 3) 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.
- 4) After setting intake manifold down on engine and starting all manifold bolts by hand, install water pump bolt and tighten so the manifold seals against the water pump. NOTE: It may be necessary to shorten the water pump bolt.
- 5) Torque all of the manifold bolts in two steps by the sequence shown in Figure 1 to 25 ft/lbs.

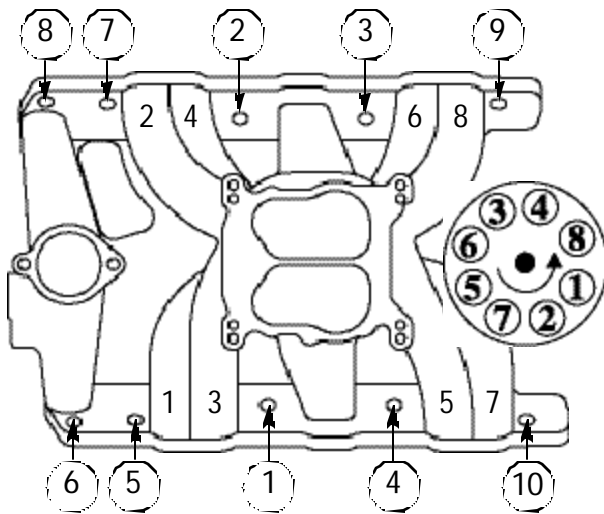


Figure 1 - 326-455 Pontiac Torque Sequence  
Torque Bolts to 25 ft/lbs.

Firing Order: 1-8-4-3-6-5-7-2

Turn Distributor Clockwise to Advance Ignition Timing

#### MANIFOLDS 2156 & 3756 INCLUDE:

- 1 - Choke thermostat mounting plate
- 1 - Choke thermostat mounting gasket
- 1 - 1/4" NPT x 3/8" hose fitting
- 1 - 1/4" NPT pipe plug
- 2 - 1/2" NPT pipe plugs
- 2 - 5/16" - 18 x 5/8" socket head capscrews
- 2 - 5/16" - 18 x 1" hex head capscrews
- 2 - 5/16" AN washers
- 1 - Throttle bracket #8014 (For 1972-1976)
- 1 - Square-bore carburetor adapter #2732
- 1 - Square-bore carburetor adapter gasket

#### MANIFOLD 7156 INCLUDES:

- 1 - 3/8" NPT x 3/8" hose fitting
- 1 - 1/2" NPT pipe plug
- 2 - 5/16" - 18 x 5/8" socket head capscrews
- 2 - 5/16" - 18 x 1" hex head capscrews
- 2 - 5/16" AN washers
- 1 - Throttle bracket #8014 (For 1972-1976)

Edelbrock Corporation • 2700 California St. • Torrance • CA 90503

Tech Line: 800-416-8628 • E-Mail: Edelbrock@Edelbrock.com