

**Big Air Kit****Harley Davidson 93-99 EVO Big Twin, 99-up Twin Cam
Delphi EFI, Most Carbs except Mikuni HSR**

Revision: 1.7 - 04/05/2010

CAUTION! We Strongly recommend that a qualified Harley Technician install this kit if you do not completely understand the instructions before beginning.

INCLUDED IN THE KIT:

(1) 1/4-20 x 3/8" Button Head Screw	(1) Reuseable Performance Air Filter
(2) 1/4-20 Nylock Nut	(5) M6 Lock Washer
(2) 3/8-16 x 1.325 TC Breather Bolt Chrome	(2) Banjo Elbow Chrome
(2) 1/2-13x1.325 EVO Breather Bolt Chrome	(1) Round Air Cleaner to Carburetor Gasket
(1) Y Line Fitting	(3) 1/4-20x5/8" Allen Cap Head SS
(4) 1/2" Wire Clamp Plated Spring Steel	(2) 1/4x5/8" Flat Washer
(6) Aluminum Crush Washer	(2) 1/4-20x1" Hex Head Bolt
(1) 24" x 5/16" ID Hose	(2) Baron BAK Bracket Ball Burnished
(2) 1/4" Lock Washer	(1) Baron Temp. Sensor Bracket Black Anodized
(2) 1/4-28 x 1 13/16" Hex Head Bolt Zinc	(2) Baron BAK Spacer Black Anodized
(2) Aluminum Filter Spacer	(1) Baron BAK Backing Plate Black Anodized
(1) Raincoat Pre-filter	

TOOLS REQUIRED:

Harley-Davidson Service Manual	3/16" Allen Wrench
7/16" Socket and Open End Wrench	1/2" Socket or Driver
Needle Nose Pliers	T-27 Socket or Driver
5/16" Allen Wrench	10mm Opfern End Wrench or Socket

INSTRUCTIONS:

PLEASE NOTE: Almost all Harley Davidson engines that vent the crankcase through the cylinder heads also expel oil through the same passages. Venting directly into the air cleaner, especially a free-flowing air cleaner often results in an oily mess on the side of the bike. We provide a breather kit with your BAK that is designed to keep the oil contained. The banjo fittings and tubes route the vented gasses upward so gravity can keep any expelled oil droplets in the engine where they belong. We recommend venting the crankcase to open air by running the vent line up and out of sight beneath the tank, but an optional catch tank is available for those who would rather a closed container.

1. Following the instructions in your service manual, remove your stock air box and breather system.
2. Assemble the breather and BAK brackets in the following order: Breather Bolt, Washer, BAK Bracket, washer, Banjo Elbow, Washer. Insert this assembly into the rear head and snug, but not tight. The Banjo elbows should face up under the tank. Repeat the assembly for the front head. (Fig. 1)
3. Install temp sensor bracket to back of BAK using the 1/4-20 x 3/8" Button Head Screw. (Fig. 2)

Our install guides provide a basic outline on the proper installation of our products. Further tuning and/or fitment may be required. Barons bears no responsibility on installation costs associated with this product. © 2010 Barons Custom Accessories
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- 4. Install 1/4-28x1.8" BAK Bolts & 1/4" lock washers in topmost & lower-most holes in the BAK. Tape these bolts into place to prevent them from falling out.**
- 5. From the Banjo elbows, run the 5/16" rubber hoses to the Y adaptor. Run the hoses up under the tank. Secure with the supplied hose clamps.**
- 6. Your bike should look as shown in Fig. 3. Insert Allen screws into BAK backing plate and place gasket onto the back. Using both hands, line up the backing plate to carb/throttle body and snug carb/throttle body screws. Now is a good time to align the BAK brackets to the remaining 2 holes on each upper side of the backing plate.**
- 7. Secure the BAK brackets to the backing plate using the 2"x 1/4-20 x 1" Hex Head Bolts, 1/4" flat washers and 1/4" Nylock nuts. The head of this bolt is 10mm, but the bolt is actually a 1/4"-20 bolt.**
- 8. Place the Baron BAK filter onto the BAK cover plate. Make sure the filter sits into the grooves of the cover.**
- 9. Line up the cover and filter with the backing plate. At this time, remove the tape from the top bolt and you should be able to thread the bolt into the cover from the back side. Remove the tape from the lower BAK bolt and thread this bolt into the cover as well. (Fig. 4)**
- 10. Tighten the BAK bolts with a wrench. Do not strip these bolts, only tighten until they are snug and the lock washer is flattened. The Finished product is illustrated in Fig. 5 & 6.**

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Fig. 1



Fig. 2

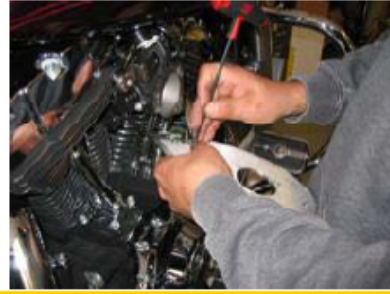


Fig. 3



Fig. 4



Fig. 5



Fig. 6



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