

Revision: 3.6 - 04/02/2010  
 Install Time: 2 Hours

CAUTION! We strongly recommend that a qualified technician install this kit if you do not completely understand the instructions prior to the install.

**INCLUDED IN THE KIT:**

(1) Jet Kit BA-2440-00	(1) BAK Filter Raincoat
(1) Chrome Billet BAK Cover	(1) M5 Stainless Steel Washer
(1) Re-usable Performance Air Filter	(1) M6 Chrome Washer
(1) Mounting Post	(2) 1/4-28 x 1 13/16" Zinc Hex Head Bolts
(1) M6 Fender Washer	(3) 1/4" Lock Washers
(1) M6x12mm Chrome Cap Screw	(1) Foam Filter Material, Green, Trapezoidal
(1) M5x10mm Stainless Button Head Screw	(2) Filter Spacer, Aluminum
(1) 1/4 -20 Nut	(1) Zip Tie 14"
(1) Oil Vent Line, Clear Poly	(1) Mounting Arm SS

**TOOLS REQUIRED:**

3, 4 & 5 mm Allen Wrenches	10 & 12mm Sockets
10mm Open-End Wrench	Phillips & Flat Screwdrivers
Pliers (Std. & Needle-nose)	Factory Service Manual

**INSTRUCTIONS:**

**FIRST STEP:** See instructions for installation of included with BA-2440VS Needle/Jet Kit and perform the complete installation.

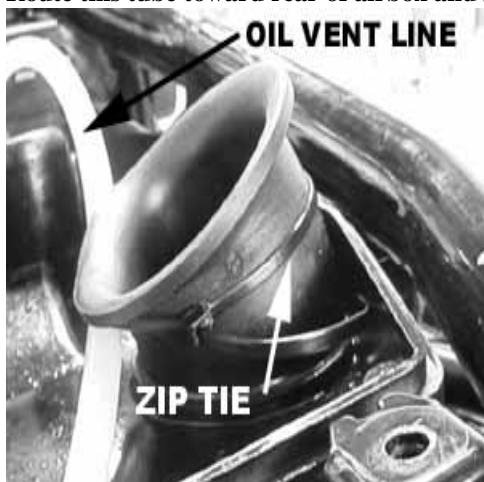
**NOTE:** The V-Star 1100 is prone to excessive oil blow-by from the crankcase vent that extends from the front cylinder head to the black airbox above the carbs. To prevent excess oil deposits from leaking down into the BAK filter assembly and blowing out the filter, you must install the supplied oil vent tube and foam filter element into the airbox as follows prior to installing the new BAK filter assembly.

- Loosen the (8) screws and (1) frame bolt holding the top of the black plastic airbox and remove the top.



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- Insert supplied oil vent tube into crankcase breather inlet found at front of airbox.
- Route this tube toward rear of airbox and secure to rear air horn with supplied zip tie as shown.



- Install supplied breather foam in rear section of airbox under end of oil vent tube.
- Trim foam with scissors as required for a proper, snug fit.
- Reinstall top half of airbox and tighten frame bolt and all screws.
- MAINTENANCE: Baron recommends the foam filter element be removed and cleaned at each air filter cleaning.

**IMPORTANT NOTES:** Check all linkages for interference, check all hoses for kinks, check all bolts and hardware for tightness. Check throttle action for smooth operation before reinstalling the fuel tank.

1. The Baron Big Air Kit (BAK) comes un-assembled. First, place your performance air filter in the groove on the cover; make sure the filter seats properly to make a complete seal. Now install the backing plate onto the air filter, Again, align the filter with the groove in the backing plate. Secure with the two supplied 1/4-28 x 1 13/16" zinc hex head bolts & lock washers. Install the supplied aluminum filter spacers onto the bolts between the back plate and the cover. Blue Loctite® is recommended here.

2. Loosen the clamps holding the snorkel ("S" shaped air tube) connecting the stock air filter housing to the black plastic airbox above carbs. Remove the two allen-head cap bolts that hold the stock air filter housing to the engine and remove the stock air filter housing. Remove the snorkel.

3. Install the snorkel onto the backing plate of your new BAK filter assembly and secure the clamp. Install the supplied BAK mounting arm to the rear of the backing plate with supplied M5 x 10mm button-head screw. Blue Loctite® is recommended here.

4. Insert the mounting post from the BAK backing plate into grommet on the side of the engine and secure with supplied 1/4 -20 nut and washer. Slide the snorkel onto the air inlet on the black plastic airbox above carbs. Install air filter mounting bolt (M6 x 12mm) through mounting arm and tighten. Now tighten snorkel clamp at air inlet on the black plastic airbox.

**IMPORTANT NOTES:** Check all linkages for interference, check all hoses for kinks, check all bolts and hardware for tightness. Check throttle action for smooth operation.

- Reinstall the fuel tank.
- Perform final idle mixture screw adjustment per instructions supplied with Barons Jet Kits.

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