LA-2090-XX
Big Air Kit
Harley Davidson 93-99 EVO Big Twin, 99-up Twin Cam
Delphi EFI, Most Carbs with the use of our adapter plates.

Revision: 2.9 - 08/05/2014
Install Time: 1 Hour

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

INSTRUCTIONS:

1. Begin by first removing your stock air cleaner assembly and backing plate via the instructions in your service manual. The carburetor flange and threaded bosses into the cylinder heads should then be cleaned.

2. Remove the backing on the supplied gasket and apply to the back of the large black anodized backing plate.

3. Before mounting the plate, insert two 1/4-28x1.75" bolts and lock washers into the two top through holes of the back plate. It is important you do this, as the bolts will not clear the carb or throttle body after the plate is installed. Mount the backing plate loosely to the cylinder heads via the supplied chrome stand offs and breather bolts. The stand offs have a lip that helps them seat flush in the backing plate. Be sure to use thread locker when securing the bolts. For Evo engines use the larger 1/2-13" breather bolts. For twin cam engines, use the 3/8-16" breather bolts. Tighten breather bolts lightly allowing minimal play in the backing plate for ease with the next step.

4. Install the backing plate to the carb or throttle body using the (3) 1/4-20x5/8" socket head bolts. Again, be sure to use threadlocker so that no hardware will work its way loose during riding. Next cinch down the breather bolts and cap them off with the (2) back plate tabs. The machined channel in the tab should face away towards you when installed.

5. Install the remaining 1/4-28" bolt and lock washer, followed by the (2) short aluminum filter spacers on the top and the long remaining one on the bottom. Now, install the filter over the back plate. Install the front cover adapter with the supplied 1/4-28 x 1/2" button head at the top of the cover. Place the front cover over the filter and carefully locate the holes and get the bolts started in the front cover. Again, thread locker is very important to assure bolts do not vibrate loose. Tighten all hardware and your installation is complete. Be sure to clean and re-oil your air filter on a regular basis. Also, be sure to re-torque bolts after riding to ensure air cleaner assembly remains secure.

Our install guides provide a basic outline on the proper installation of our products. Further tuning and/or fitment may be required. LA Choppers bears no responsibility on installation costs associated with this product.
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