

## Inverted Series Air Cleaner Kits 99-Present Big Twin ARB E.O.D-639-5



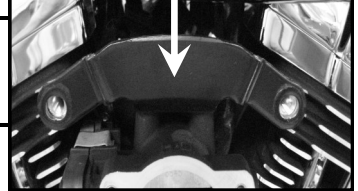
Thank you for purchasing this Arlen Ness product. We believe that our products are the very best available and are engineered to provide a lifetime of use. The Inverted Series air cleaner provides the cleanest installation available. Basic hand tools and a service manual applicable to your model of motorcycle are all that is necessary to complete the installation. If you ride a custom-built bike, please call our technical assistance department and they will be able to recommend the best service manual to use with your motorcycle.

Quantity	Description	Quantity	Description
1	Backing plate with cover plates	6	O-Rings
2	Backing Plate Spacers	1	Gasket
1	Inverted air filter	1	Loctite
1	Outer Cover Assembly	5-7	10-24x5/8" Socket-heads
2	Banjo Bolts	3	1/4- 20 3/4" Socket-heads

**Step 1:** Begin by removing the existing air cleaner and backing plate as illustrated in the appropriate service manual for your year and model of motorcycle. Picture # 1 **Remove the OEM throttle body support bracket if applicable.** Clean the flange on the throttle body as well as the bosses on the cylinder heads. Using the rubber covered gasket supplied, put a thin coat of grease on the face of the throttle body to hold it in place during assembly.

### REMOVE THROTTLE BODY SUPPORT

Pic # 1



**Step 2:** Picture #2 apply a dab of grease in each of the 4 O-ring grooves in the back of the backing plate. Then install the O-rings in each groove. Picture #3 Install 2, 1/4-20 x 3/4" Socket-heads with Loctite in the backing plate, and install the gasket on the backing plate. Loosely screw into the throttle body with 3rd screw also. Picture # 4 Install O-rings into back plate spacer with a dab of grease.

Picture # 2



**Step 3:** Picture # 5 Coat the head of both banjo bolts with grease as shown in the picture. Install backing plate spacer between head and backing plate with the O-ring in it up against the head. Thread in both banjo bolts loosely. Torque the 3, 1/4-20 x 3/4" socket-heads that connect the backing plate to the throttle body to 10-12 Ft.lbs. Now torque the banjo bolts to 18 ft.lbs.

**Step 4:** Picture # 6 Install banjo bolt cover plates as show in the picture. Picture # 7 Install filter with Arlen Ness Engraving facing so it is straight up. Install cover assembly with required number of 10-24x 5/8" Socket-heads with Loctite to 40-50 in.lbs.

To ensure maximum performance adopt cleaning and re-oiling of the air filter element as part of the regular maintenance schedule. Arlen Ness recommends using the Big Sucker Filter Recharge SS Sucker Filter Recharge Kit part # 18-075 (Black) for Stainless Steel filters. Re-torque all air cleaner hardware every time you service the filter.

**IMPORTANT NOTE:** Due to the increased air flow it may be necessary to install some kind of adjustable fuel tuner. Arlen Ness recommends a Big Shot adjustable fuel tuner. Please refer to the Arlen Ness Catalog, or [www.arlenness.com](http://www.arlenness.com)

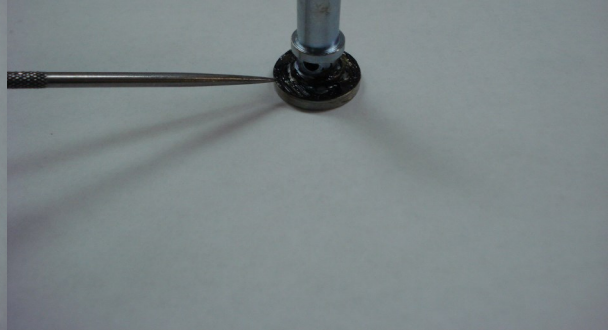
Picture #3



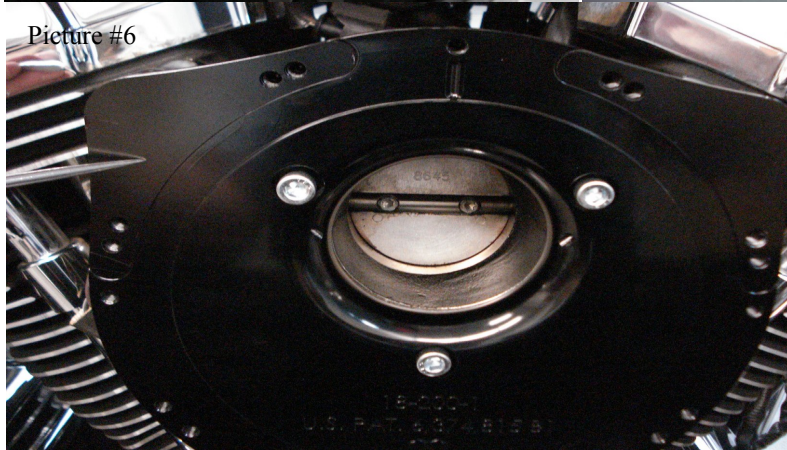
Picture # 4



Picture # 5



Picture #6



Picture # 7

