

Ness Monster Sucker Kit for FBW 08-16 Models **ARB E.O.D-639-8**



Thank you for purchasing this Arlen Ness product. We believe that our products are the they 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	Manifold Gasket	1	Intake Elbow
1	Intake Filter	1	Filter Cover Base Cover
1	Intake Backing Plate	2	Intake Elbow Breather Bolts
1	Intake Elbow TB Cover	1	Hardware Kit
1	Instructions	1	Filter Service Instructions
1	Blue Loctite	1	3M Tape Primer

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.

Step 2: Picture #2 apply a dab of grease in each of the 2 O-ring grooves in the back of the backing plate. Then install the O-rings in each groove. Picture #3 Install the Throttle Body Servo Cover using the two counter sunk screws to the back side of the backing plate. Picture #4 Install the 1/4-20 x 3/4 socket head bolts with Loctite into the backing plate to locate the Intake gasket Loosely install the backing plate to the throttle body with the three 1/4-20 x 3/4 bolts.

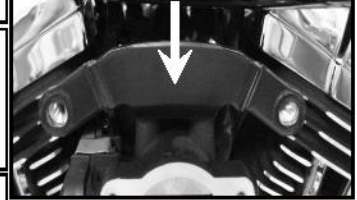
Step 3: Picture # 5 Install the supplied copper washers onto the Breather Bolts apply Loctite to the threads and install them into the cylinder heads through the backing plate and torque them to 18 ft-lbs. tighten the three 1/4-20 x 3/4 intake bolts to 10-12 ft-lbs.

Step 4: Picture # 6 Install and fully seat the backing plate O-ring into the backing plate. (it is necessary that the O-ring is completely set into the groove to insure proper fitment of the intake elbow. Picture # 7 Install the intake elbow onto the backing plate using the three supplied 1/4-20 x 1/2 bolts with Loctite. (put pressure on the elbow when threading in the bolts making sure the threads engage properly)

Once all three bolts are loosely installed torque them to 5-6 ft-lbs. To install the Monster Filter element and applicable cover please refer to the 81000-I instructions supplied with the kit.

REMOVE THROTTLE BODY SUPPORT

Pic # 1



To ensure maximum performance adopt cleaning of the air filter element as part of the regular maintenance schedule. Arlen Ness recommends referring to the Synthetic-I instructions. 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