

**NESS BIG SUCKER, BILLET SUCKER & DERBY SUCKER AIR CLEANER
KITS for all 1993-2000 EVO Big Twin Models
(except 96-00 F.I. FLT Models)**

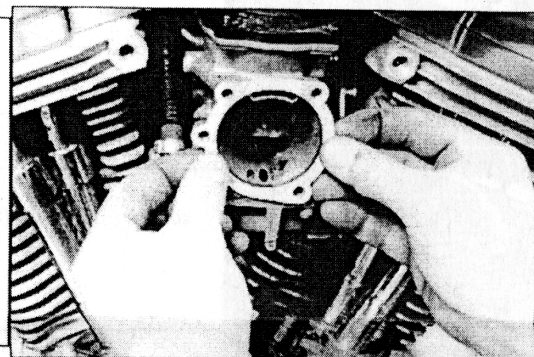


Thank you for purchasing this Arlen Ness product. We believe that our products are the very best available and are engineered to provide a lifetime of use. The Ness Big Sucker air cleaner provides the cleanest installation available. Basic hand tools and a service manual applicable to your model of motorcycle 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.

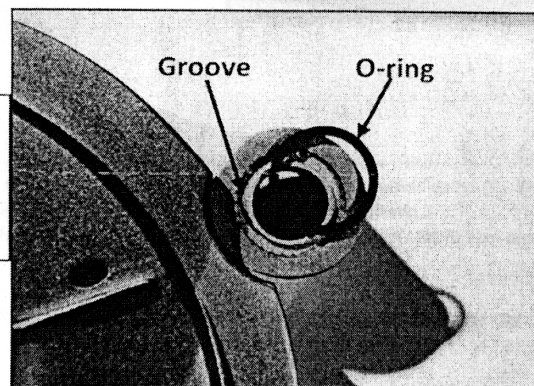
PARTS:

Quantity	Description
1	Air Cleaner Element (Varies per kit)
1	Big Sucker Backing Plate (Varies per kit)
1	Air cleaner cover (Varies per kit, except 18-499 thru 18-502 and Derby Sucker kits)
1	Derby air filter ring (Derby Sucker kits only)
3	Stand off
3	1/4-20 x 1-1/4 Set Screw, Black
1	Gasket, back plate to throttle body
2	Banjo Bolt
2	Banjo bolt Washer
4	Banjo Bolt O-Ring
4	Plastic plugs (stg II kits only)
1	Loctite Removable Threadlocker
3	1/4-20 x 1/2 Buttonhead, Stainless
5	1/4-20 x 1/2 Buttonhead, chrome (Derby Sucker kits only)
1	Nylon Spacer (Steel cover kits Only)
1	5/16-18 x 1-1/4 Flathead, chrome (except 18-499 thru 18-502, Derby Sucker and Retro kits)
1	5/16-18 x 1-1/4 allen head, chrome (Retro kit only)
1	Instructions

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. Clean the flange on the carburetor/throttle body as well as the bosses on the cylinder heads. The supplied gasket has an adhesive backing which, due to manufacturing differences may be applied to either the throttle body/carburetor or the back of the backing plate. Inspect the gasket, then peel the protective coating of the gasket and apply it to the appropriate part as shown.



Step 2: Insert four o-rings (supplied) into grooves to seal the backing plate. To keep them in place during installation, apply a small amount of grease in the o-ring grooves. Keep an eye on them while you position the backing plate to ensure all four o-rings are positioned correctly.

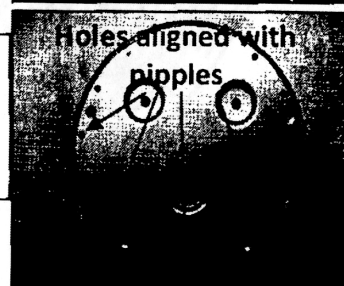


2008-11 FLT BIG SUCKER, BILLET SUCKER, DERBY SUCKER & TWIN SUCKER INSTRUCTIONS

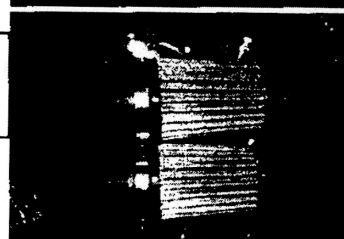
Step 6: Cover installation

OEM air cleaner cover on kits 18-510 and 18-512

Fully clean and install your existing air cleaner cover using OEM hardware as per the specifications in the appropriate service manual for your year and model of motorcycle.



Important note: Before installing the Derby Sucker filter element make sure that the holes in the outer plate are aligned with and fully seated over the nipples in the outer edge of the filter element. 15 holes with 15 nipples.



Twin Sucker kits only—Install both filters & tighten both hose clamps securely.

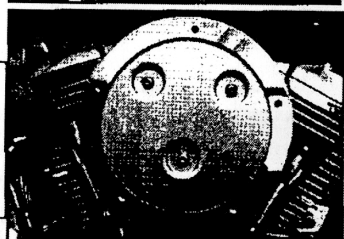
Big Sucker kits w/steel covers and Billet Sucker kits

Using the 5/16x18x11/4 countersunk allen w/threadlocker attach outer cover to air filter element. Torque to 5 ft.lbs. Note: Steel cover kits use a nylon spacer between the cover and air filter w/ the countersunk facing the outer cover. Retro covers uses a standard 5/16x18x11/4 allen to attach it.



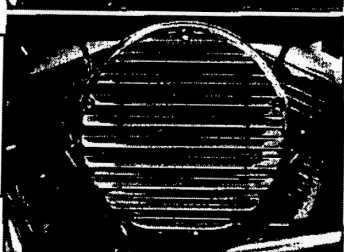
Derby Sucker kits

Install the chrome air filter ring over the air filter lining up the holes in the ring with the threaded holes in air filter.



Derby Sucker kits

Install your choice of derby covers using thread locker on five 1/4 x 20 x 1/2 chrome button head allens (supplied). Torque to 3-5 ft/lbs (36-60 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 Kit part # 18-096 (red) for standard filters or SS Sucker Filter Recharge Kit part # 18-075 (clear) for Stainless Steel filters.

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 part# 18-620