



18-493, 18-498, 18-500, 18-505 TEAM NESS BIG SUCKER AIR CLEANER

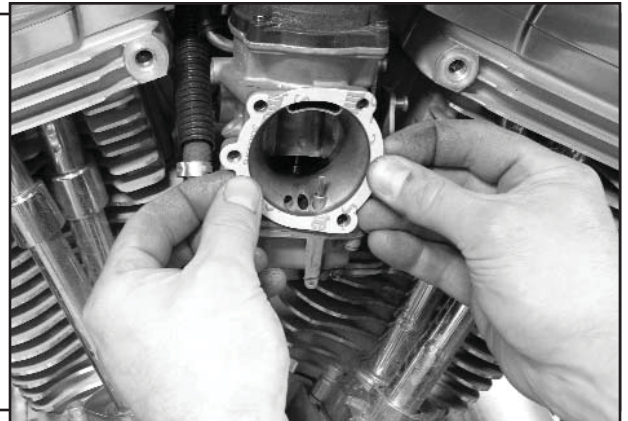
Thank you for purchasing this Arlen Ness product. We believe that our products are the very best available and are engineered to provide a lifetime of use. The Team Ness Big Sucker air cleaner for both Evolution and Twin Cam Stage I upgrades provides the cleanest installation available. Basic hand tools 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.

BILL OF MATERIALS

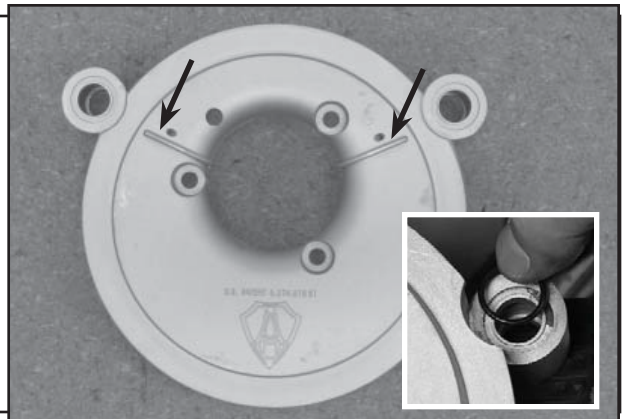
Part #	Quantity	Description
18-098U	1	Air cleaner element, small - All kits
18-500-1	1	"Big Sucker" backing plate - All kits
18-500-2	2	"Big Sucker" banjo bolt, Evolution application - All kits
18-500-3	2	"Big Sucker" banjo bolt, Twin Cam application - All kits
18-500-4	3	Backing plate mounts, Stage I - All kits
18-500-5	1	Gasket, "Big Sucker" air filter - All kits
18-505-1	1	"Big Sucker" backing plate, - Kit 18-505 only
H-002	1	Loctite 242 Blue - All kits
H-023	2	Washer, .875" O.D. x .510" I.D. x .030" thick - All kits
H-024	4	Banjo bolt o-ring, buna-n - All kits
H-414B	3	1/4"-20 x 1" set screw, black oxide - All kits
H-839S	3	1/4"-20 x 1/2" button head cap screw, stainless steel - All kits
18-500-10	2	"Big Sucker" banjo bolt, all applications - Kit 18-505 only

MAINTENANCE TIP: To keep your new Big Sucker air cleaner kit functioning its best, we recommend cleaning and re-oiling the air filter element at regular service intervals.

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 on either side. Inspect the gasket, then peel the protective coating off of the gasket and apply it to the appropriate part, either the carburetor/throttle body flange as shown, or to the back of the Big sucker backing plate.



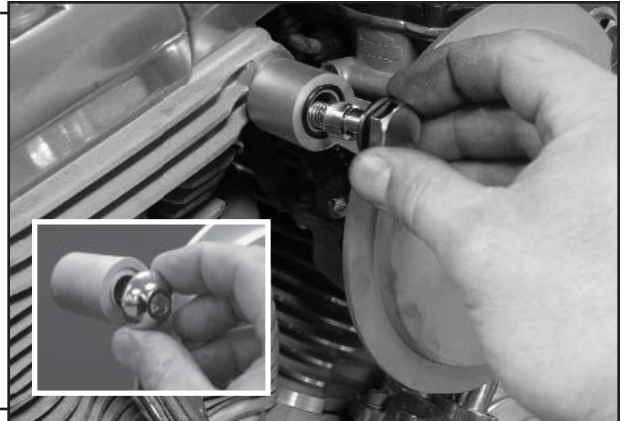
STEP 2 - FOR 2006-UP MODELS: A special backing plate (main photo) is used that differs slightly from all other kits. This plate is easily identified by the two small ribs (arrows) which are not present on any other Big sucker backing plates. **FOR ALL KITS:** Four O-rings are included to seal the backing plate (inset). 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.



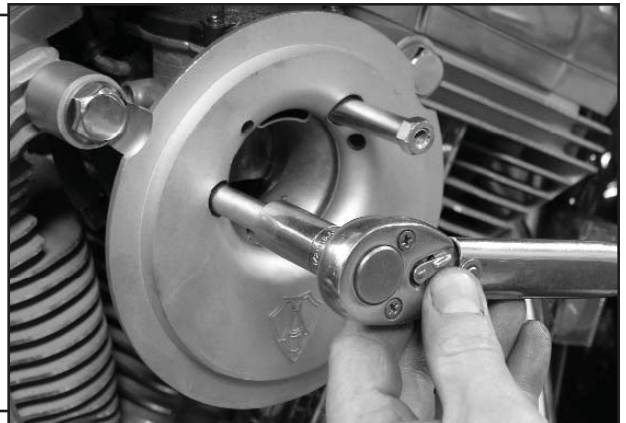
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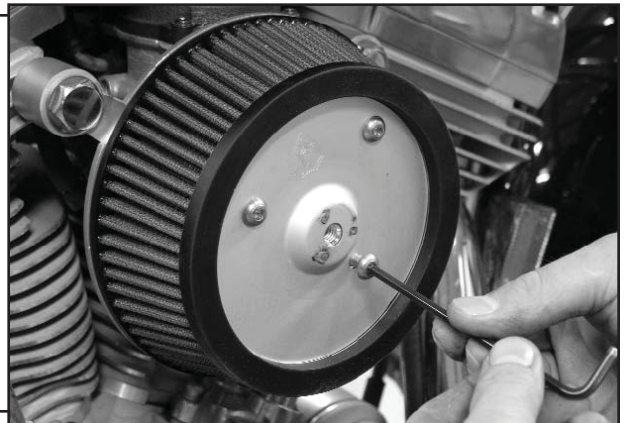
STEP 3: Install the banjo breather bolts using the washers supplied with the hardware kit. Twin Cam engines will use the 3/8-inch bolts, Evolution engines will use the 1/2-inch bolts. **FOR 2006-UP MODELS:** Use the chrome button head bolts (inset). Apply thread sealing paste such as Loctite, ARP, etc. to the threads of the banjo bolts and screw them into the heads as shown. Leave the banjo bolts loose for now, as this will allow the backing plate studs to align easily.



STEP 4: Using Loctite 242 Blue on the threads, install the backing plate studs and torque them to 3-5 ft/lbs (36-60 in/lbs). Next, torque the banjo bolts to 10-12 ft/lbs. The backing plate is now secure.



STEP 5: Apply Loctite 242 Blue to the threads of the three button-head screws included in the hardware kit and place the air cleaner element onto the backing plate. Torque these screws to 3-5 ft/lbs (36-60 in/lbs).



STEP 6: Fully clean and install your existing air cleaner cover as per the specifications in the appropriate service manual for your year and model of motorcycle. To ensure maximum performance, adopt cleaning and re-oiling of the air cleaner element as part of your regular maintenance schedule.

