

Arlen Ness Big Sucker Stage I
Fitment: 2015 – Up HD Street 500 /750
Part Number: 18-319 / 50-319



Thank you for purchasing this Arlen Ness, Ent. product. We believe our products are the best available and engineered to provide a lifetime of use. Some specific Hand tools, Service Manual for your year and Motorcycle model, are all you need to complete this installation. Please retain these installation instructions for future reference. To ensure proper installation, a qualified motorcycle technician should perform the installation.

Bill of Materials:

- Air Cleaner Backing Plate
- Air filter
- Long support collar (for rear cylinder mount)
- Short support collar (for front cylinder mount)
- PCV breather hose fitting
- 3 x Backing plate stand off shafts
- M6 socket head cap screw – 65mm length
- M6 socket head cap screw – 35mm length
- Intake manifold gasket
- 3 x ¼-20 Button head socket cap screw
- 2 x M5 socket head cap screw – 25mm length
- 3 x ¼-20 Black set screws

Steps:

1. Examine kit contents to verify all components listed above are supplied.
2. Begin by removing the existing air cleaner and backing plate as illustrated in the appropriate service manual for your year and model of motorcycle.

3. Install the supplied PCV breather hose fitting into the backing plate as shown, torque to approximately 1-2 ft/lbs (picture 1).

4. Install backing plate to intake manifold on the motorcycle using the supplied LONGER M5 socket head cap screws as illustrated, be sure to install the provided gasket between the backing plate and the throttle body, only finger tight do not torque at this time (picture 2).

5. Install the supplied lower support bolts through the respectively sized supplied collars (short for front cylinder, long for rear cylinder), only finger tight, do not torque at this time. (picture 2).

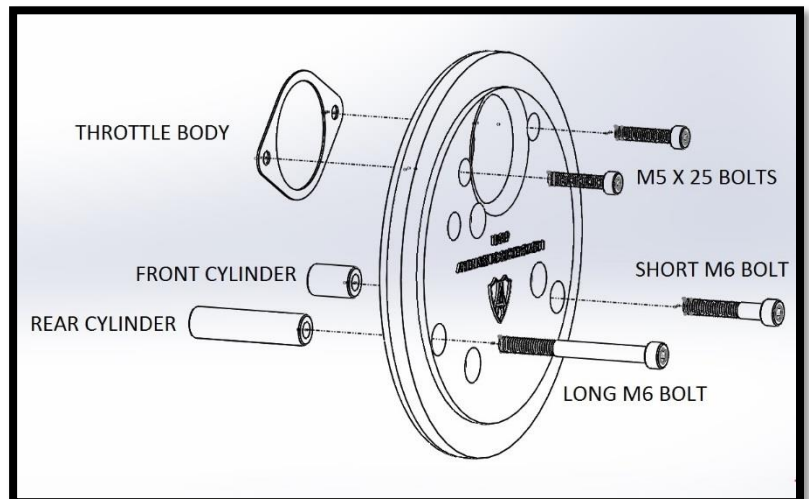
6. Torque the supplied M5 bolts that secure the backing plate to the intake manifold to 4 ft/lbs. (picture 3).

7. Torque the supplied M6 cylinder support bolts to 6 ft/lbs. (picture 3).

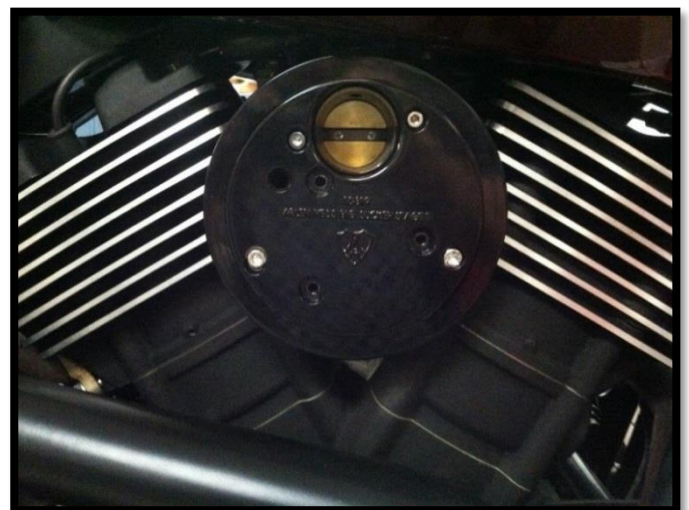
8. Secure the crankcase breather hose that was previously removed from the OE airbox to the supplied hose fitting that was installed onto the big sucker backing plate in step 3, be sure that the spring clip secures the hose to the fitting.



(Picture #1)



(Picture #2)



(Picture #3)

9. Using thread locker on the threads, install the black set screws into the backing plate stand offs opposite of the hex and torque them to 3-5 ft/lbs (36-60 in/lbs) shown in picture 4. Next using thread locker on the threads of the stand off assembly install the stand offs to the backing plate and torque to 3-5 ft/lbs (36-60 in/lbs), reference picture 5.



(Picture #4)

10. Install the air cleaner element on the backing plate and secure it using thread locker on the three button head screws supplied, and torque them to 3-5 ft/lbs (36-60 in/lbs), reference picture 6.



(Picture #5)

*****This kit requires the purchase of a Stage I faceplate, follow the provided installation instructions in the faceplate kit. *****

(Big Sucker will not function correctly and will have exposed air inlet if not purchased)

PN's: 18-781, 18-787, 18-760, 18-761, 18-777, 18-778, 18-779

***** FILTER CARE INSTRUCTIONS SHOWN ON NEXT PAGE, FILTER MUST BE SERVICED AS INSTRUCTED TO MAINTAIN OPTIMAL BIG SUCKER PERFORMANCE. *****



(Picture #6)

FILTER CARE INSTRUCTIONS

RED GAUZE FILTER (18-319)

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 PN#18-096 (RED) FOR STANDARD FILTERS.

***IMPORTANT NOTE: DUE TO THE INCREASED AIR FLOW IT MAY BE NECESSARY TO INSTALL AN ADJUSTABLE FUEL TUNER.

SYNTHETIC FILTER (50-319)

RECOMMENDED SERVICE INTERVALS:

INSPECTION @ 5000 MILES

CLEAN @ 10,000 MILES

*** FILTER SERVICE INTERVALS WILL VARY DEPENDING ON YOUR RIDING ENVIRONMENT

VISUALLY INSPECT AND CLEAN AS NEEDED

CLEANING INSTRUCTIONS:

1. TAP THE FILTER ELEMENT TO DISLODGE LOOSE DEBRIS AND BRUSH REMAINING LOOSE DEBRIS FROM FILTER.
2. CLEAN FILTER USING WATER AND MILD DEGREASER LIKE SIMPLE GREEN OR FORMULA 409.
3. DO NOT USE GASOLINE, BRAKE CLEANER, OR OTHER HARSH CHEMICALS TO CLEAN THE FILTER MEDIA. THESE PRODUCTS WILL ERODE THE FILTER MEDIA. ALWAYS INSPECT FILTER MEDIA AND GASKET SEAL FOR DETERIORATION. REPLACE FILTER AS NEEDED.
4. SHAKE OFF EXCESS WATER AND ALLOW FILTER TO THOROUGHLY DRY PRIOR TO RIDING. DO NOT USE COMPRESSED AIR TO DRY.

NOTE: DO NOT OIL THE FILTER MEDIA