BOYESEN POWER X-INTAKE

We gained seven ponies on our 2013 Ultra Limited!



Here's our 2013 Ultra Limited up on Rob's lift with its stock air cleaner and breather bolt bracket removed, ready to receive its new **Bovesen X-Intake** assembly.

VERYONE REMEMBERS THE X-WING FIGHTER that Luke Skywalker piloted in his successful attack on the Death Star. In fact, the X-Wing was the high-performance fighter used by the Rebel Alliance throughout the Star Wars trilogy. Its performance was partially due to the X-shaped wings that flanked its fuselage. Of course, this ignores the fact that there's no atmosphere in space. The first Star Wars movie was released in 1977 and became a science fiction blockbuster.

What does any of this have to do with motorcycles? Well, over 35 years later, that tested and proven X-Wing technology is used by power provider Boyesen to add performance to Harley-Davidsons. While we will likely never be able to man the controls of a X-Wing fighter, we opted for the next best thing and installed Boyesen's Power X-Intake (#PX-HBPK-01SC/\$289.95) on a 2013 Ultra Limited.

Those familiar with the Boyesen name may be aware that it makes an insert for carbs and throttle bodies called the Power X-Wing. It's a device that improves airflow through a carb or throttle body's throat by speeding it up and straight-

TOOLS NEEDED

- Light grease
- Blue Loctite
- 5/32" Allen
- 3/16" Allen
- #3 Phillips screwdriver
- 9/16" socket
- Torque wrench (ft-lbs.)

ening it out. That simple product can be installed with any air cleaner setup. It also comes built into the Power X-Intake we installed on our Limited.

The Power X-Intake comes as a complete bolt-on kit, which includes backing plate, filter, mounting hardware, and a chrome cover. If you want,





A Boyesen Thermal Guard (\$79.95) was already installed on the bike, so we begin by reattaching the Thermal Guard to its mount points using the quick disconnect pins.



After putting a little light grease on the Boyesen-supplied round O-rings, they are inserted into their grooves on the backside of the Bovesen X-Intake.



The Boyesen-supplied gasket is then placed onto the X-Intake.



With a little light grease on the Boyesen-U supplied square O-rings, position them into their grooves on the opposite side of the X-Intake.

action station



6 Insert the Boyesen-supplied 2-3/4" screw into the bottom hole of the X-Intake and loosely secure the X-Intake to the throttle body.



9 The two breather bolts are now torqued to 14 ft-lbs. using a 9/16" socket. Then remove the 2-3/4"-long bolt installed earlier in the bottom hole.



7 After putting some blue Loctite onto the Boyesen-supplied breather bolts, loosely secure the X-Intake assembly to the heads.



Secure the Boyesen element onto the X-Intake LO secure the Boyesen element onto the A-intake using the two Boyesen 3/8"-long bolts in the two upper holes and the 2-3/4" bolt in the lower hole. Torque the bolts to 10 ft-lbs. using a 3/16" Allen.



Bolt the X-Intake to the throttle body using the Bolt the X-Intake to the timotic set, and a two Boyesen-supplied 1"-long screws and a 5/32" Allen. Torque the screws to 10 ft-lbs.



The Boyesen chrome outer cover is installed **L** using a #3 Phillips screwdriver and the Boyesen-supplied bolt. You can also use the stock air cleaner cover if you want.

you can also use your stock air cleaner cover, but we went with Boyesen's chrome cover. We did this install with



Rob of Rob's Dyno in Gardner, M chusetts. We also used this bike few other projects, one of which set of Wegner exhaust pipes. Th cle, with dyno chart, is featured January/February issue of Motor Bagger. This Boyesen kit was ins before the Wegner exhaust syste our baseline runs for this article with the stock pipes and muffler said, our real wheel horsepower crease for just the Power X-Inta 7 hp and 2 ft-lbs. of torque. And increases are without installing a tuner. The stock ECM was able adapt to the new Boyesen X-Int.

While the Boyesen X-Wing a needs air to perform, unlike its c (in a galaxy far, far away) relativ basic principles are there: veloci laminar airflow. Perhaps the big (or littlest) similarity between th American Iron Magazine team and Wars is our very own Yoda in th of Chris Maida, our wise and po editor. **AIM**

SOURCES

BOYESEN 800/441-1177 Boyesen.com

ROB'S DYNO 978/895-0441 RobsDyno.com



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