

# BALLISTIC AIR SERIES

A ThunderMax Product

117-825-XX for: 2008-2016 FL®  
2016-17 Dyna LowRider S®, 2015 CVO Softail®  
2016-17 Softail Models® (Throttle by Wire bikes)

## Installation / Setup Guide

*Please Note: This product is Legal in California only for racing vehicles which may never be used upon a highway. The user shall determine suitability of the product for his or her use. Installation and use on a pollution-controlled vehicle constitutes tampering under the U.S. EPA guidelines and can lead to substantial fines. Review your application and check your local laws before installing.*

*\* CA Proposition 65 "known to the state of CA to cause [cancer][birth defects or other reproductive harm]" see [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov) for details*

**Thank you for purchasing a Ballistic Series Air Cleaner by ThunderMax!**

*Please read through the following instructions before beginning the installation procedure. Following these instructions will ensure that the air cleaner is installed for optimal results.*

Your new Ballistic air cleaner is loosely preassembled to aid in installation and for packaging as well. **No bolts in this pre-assembled unit are tight.**

### Tools required:

|                    |                       |
|--------------------|-----------------------|
| 3/32" alien wrench | ratchet               |
| 5/32" alien wrench | extension             |
| 3/16" alien wrench | T-27 torx socket      |
| 5/16" alien wrench | 7/16 deep well socket |

**Step 1** Remove the stock air cleaner, clean off the throttle body support bracket (do not remove) at the heads and the throttle body gasket face. Keep the breather bolts to re-use.

**Step 2a** Take the backing plate assembly, install the the stock (existing) breather bolts into the breather housings (preassembled to the backing plate) and thread them into the head (do not tighten at this time). Start the 3 - 1/4" throttle body bolts to aid in alignment. Now tighten the breather bolts.

**Step 2b** Remove the 3 - 1/4" throttle body bolts and the 4 - #10 button head bolts that retain the breather housings to the backing plate. Now remove the backing plate, leaving the breather housings tightened in place.

**Step 2c** Install the throttle body o'ring into the groove and slip the breather tubes through the backing plate ports. Apply supplied blue loctite to the 3 - 1/4" throttle body bolts align the backing plate, push the breather tubes onto the breather bolts and start the 3 1/4" bolts by hand (do not tighten yet).



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**Step 2d** Start the 4 - #10 button head cap screws through the backing plate into the breather housings. Snug the 4 - #10 bolts prior to being tight, insert the breather housing cap into the breather housing, then tighten the (4) #10 bolts. Now tighten the (3) 1/4" filter mount to throttle body bolts.



**Step 3** Set the Accent Ring onto the Ballistic air filter align the metal filter band with the corresponding spoke of the Accent ring to cover the metal when installed. Use 1 drop of blue loctite (supplied) on the 1/4" button head bolt and install through the center of the accent ring, align the Ballistic filter with the center mounting post and backing plate. Start the bolt (do not tighten yet), push the filter back onto the backing plate to seat it. Carefully rotate the accent plate and/or filter for proper cosmetic alignment. Now tighten the 1/4" bolt.



**Step 4** Take the center medilion plate align and push inward to snap into place. If you need to remove the medilion plate use a guitar pick or any other thin piece of plastic to avoid scratching the finish.

**\*\*\*Tip\*\*\* To clean your air filter\*\***

The Ballistic air filter element is manufactured by K&N. We recommend using a K&N filter recharge kit to properly clean and re-oil your filter. Follow the K&N instructions included in the recharge kit. The web url below, will take you to a K&N air filter cleaning video.

[http://www.knfilters.com/video/KN\\_Air\\_Filter\\_Cleaning.htm](http://www.knfilters.com/video/KN_Air_Filter_Cleaning.htm)



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