



## Power Filter Kit PART# - RY13060

We strongly recommend the use of a service manual to familiarize yourself with the various components and procedures involved with this installation. Please note that some of the original clamps and hardware removed in the disassembly process will be used in the installation process. These instructions have been written in point form and refer to illustrations. Please follow these step-by-step instructions and illustrations carefully.

**APPLICATION(S):** Yamaha VXR & VXS Models

**\*\*\* ALLOW ENGINE TO COOL COMPLETELY BEFORE PERFORMING INSTALLATION \*\*\***

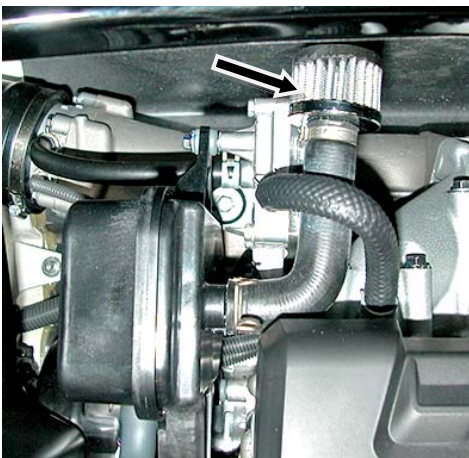
### - INSTALLATION INSTRUCTIONS -

Remove seat.

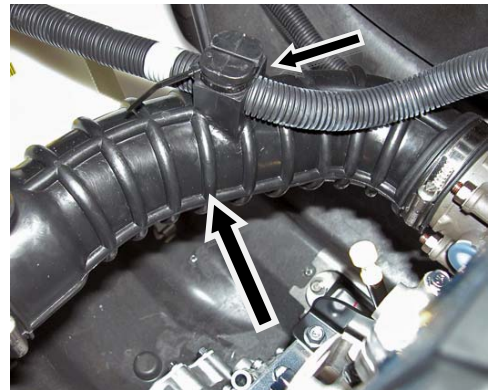
Remove engine breather hose and discard.



Install required RIVA Engine Breather Upgrade Kit.



Remove air inlet hose between stock air box and throttle body (2 clamps) and discard. **NOTE:** Cut zip tie securing fuel hose to top of air inlet hose.



Remove air box lid (8 clips/2 on each side) with filter and discard.



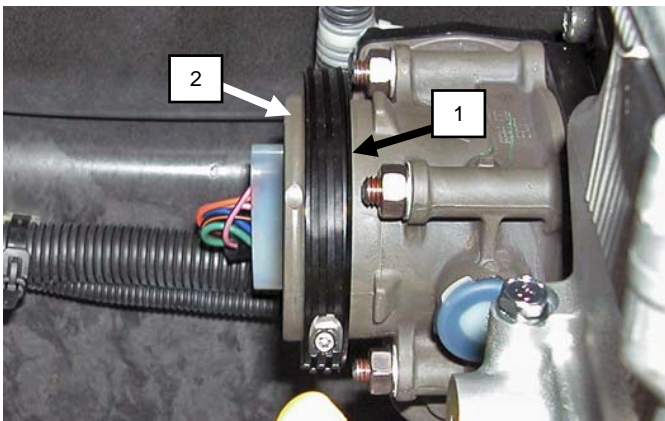
Remove bolts (4 total/2 on each side) securing air box case to support bracket. Remove air box case and discard.



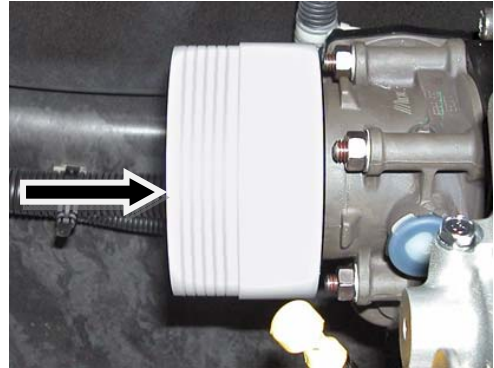
**Optional** – Remove nuts (4) securing air box support bracket to hull. Remove bracket and discard.



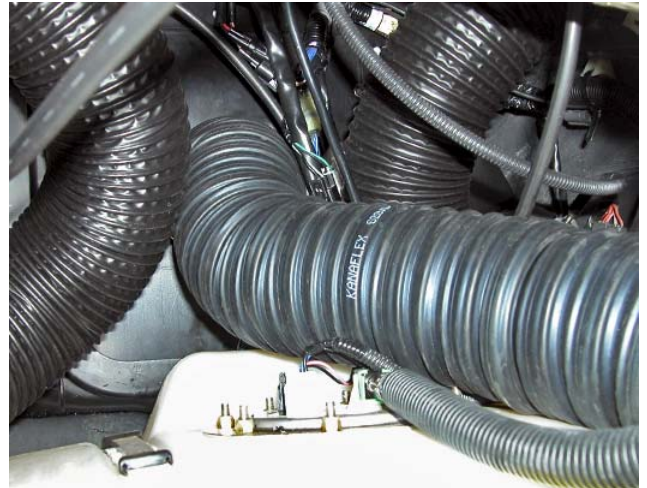
Install supplied billet adapter flange<sup>1</sup> onto throttle body inlet flange completely. Rotate so allen bolt can be accessed. While tightening allen bolt pull clamp away from throttle body until it stops against flange<sup>2</sup> on throttle body inlet. **NOTE: Do not over tighten bolt.**



Install supplied tapered plastic flange onto billet adapter flange. **NOTE:** Plastic flange and billet adapter are threaded. Do not over tighten.



Insert supplied ducting into hull at front of engine compartment. Route forward over top of fuel tank towards front storage compartment.

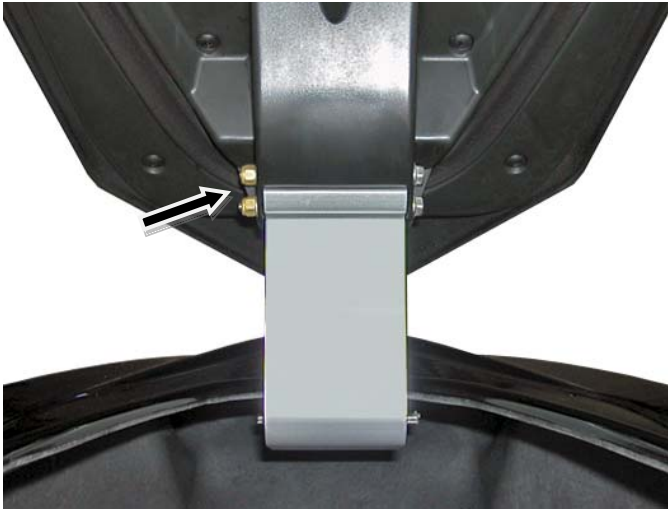


Spray glass cleaner into end of ducting at motor and onto tapered plastic flange on throttle body. Install end of ducting onto flange as shown below. Secure by tightening bolt on billet band clamp. **NOTE: Do not over tighten bolt.**



To allow air to enter Power Filter Kit you must modify the inner liner of the front storage hatch. The following steps outline the process.

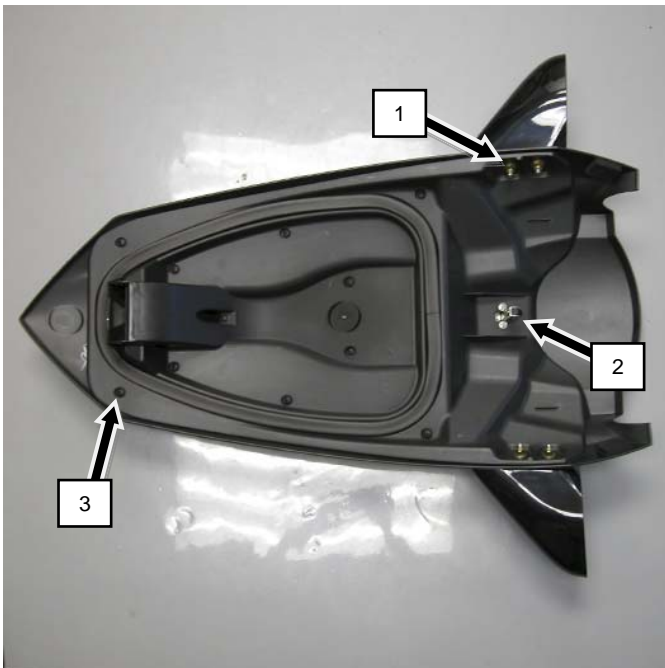
Open front storage hatch. Remove bolts (2) securing hatch to hinge.



Remove storage hatch from hinge and place on a soft, clean working surface.

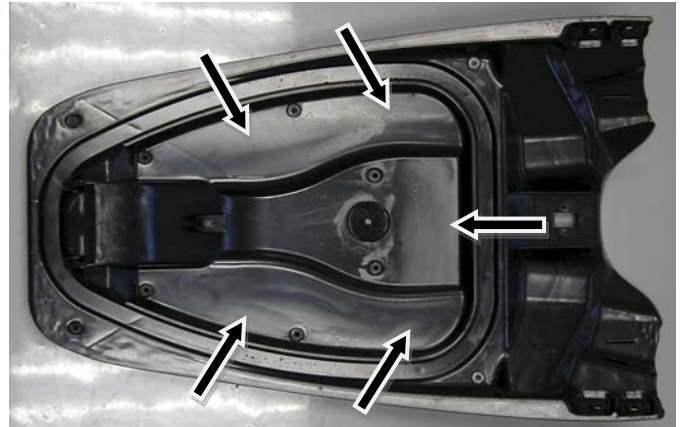
Remove from front storage hatch:

- Mirrors<sup>1</sup> (2 nuts each side)
- Hood Latch<sup>2</sup> (2 bolts)
- Inner Liner<sup>3</sup> (11 screws)



Separate inner liner from storage hatch cover.

Add openings to areas specified in illustrations below. **NOTE: Do not remove too much material as this will make the inner liner weak, which supports the hatch cover.**



**TIP:** Use various sized hole saw bits to make initial openings. Fine tune shape with a dremel tool.



Replace inner liner, hood latch, and mirrors. **NOTE: Apply a small dab of silicone to bolts & screws. Do not use Loctite. Do not over tighten.**

Dry fit supplied air duct into inner edge of hatch seal at underside to familiarize yourself with placement.

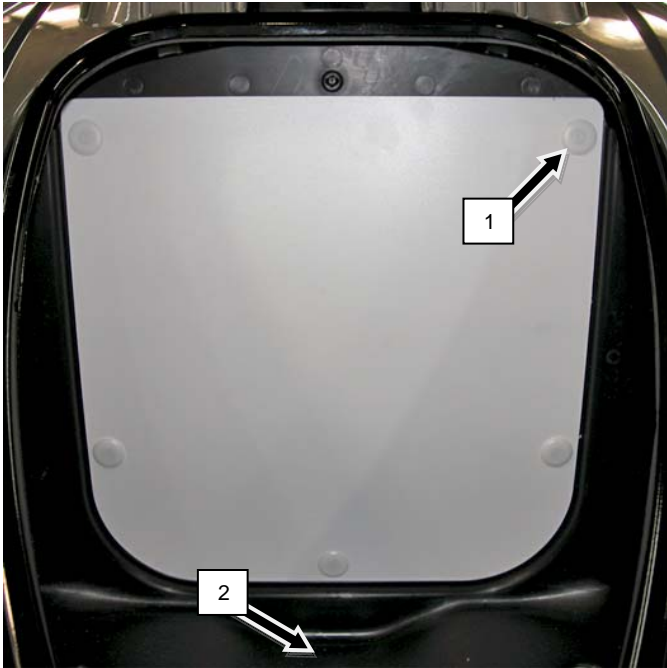


Remove air duct and apply a 3/16" bead of silicone to inside and outside edge.



Install air duct back into underside of front storage hatch. Clean up excess silicone. Allow to dry over night before replacing front storage hatch.

Inside front storage compartment remove service lid (5 rivets<sup>1</sup>). Remove drain plug<sup>2</sup> and discard.



**TIP:** Push center of rivet in to release.

At top of service opening remove electrical wire with white end cap that is clipped to hull.



Relocate wire to main wire loom and secure with reusable stock zip tie.



Insert supplied Power Filter Support into front storage compartment.



Spray glass cleaner into end of ducting and onto billet flange on back of Power Filter Support. Install end of ducting onto billet flange as shown below. Secure by tightening bolt on billet band clamp. **NOTE: Do not over tighten bolt.**



Secure Power Filter Support to hull with stock rivets (5) and supplied rivet at top center (1).



**TIP:** Push center pin of stock rivets out from long end so it is exposed at top of rivet head. Insert rivet and push center pin in so it is flush with rivet head.

Replace front storage hatch (2 bolts) after allowing silicone securing air duct to dry over night. **NOTE: Do not over tighten bolts.**

Check bilge for tools, rags, etc. Run craft on a flush kit to check for proper operation.

***Remember, the water belongs to everyone. Please ride responsibly and respect the environment!***

### Technical Support

For answers to questions regarding installation or trouble shooting RIVA Performance Products contact:

RIVA Technical Support directly at (954) 247-0705 or by e-mail at [tech\\_support@rivamotorsports.com](mailto:tech_support@rivamotorsports.com).

### Limited Warranty

RIVA Power Filter Kits carry a 1-year limited warranty to the original purchaser. They are warranted to be free of defects in materials and workmanship under normal use and service. Customer modified components will be void of warranty. This warranty is limited to defects in the primary components only. Finish and/or wear marks in or on primary components are not covered under this warranty.

RIVA Racing's liability is expressly limited to the repair or replacement of the components contained within or associated with this kit. RIVA Racing agrees to repair or at RIVA's option, replace any defective unit without charge, if product is returned to RIVA Racing freight prepaid within the warranty period. Any equipment returned which, in RIVA's opinion, has been subjected to misuse, abuse, overheating or accident shall not be covered by this warranty.

RIVA Racing shall have no liability for special, incidental or consequential damages or injury to persons or property from any cause arising from the sale, installation or use of this product.

No other warranty, express or implied, including, but not limited to the implied warranties of merchantability and fitness for a particular purpose, applies. Various states do not allow for the limitation of incidental or consequential damages and therefore the above exclusion or limitation may not apply to you.

Warranty does not include the expenses related to freight or transportation of parts or compensation for any inconvenience or loss of use while being repaired. A copy of the original invoice and a Return Authorization Number (RA#) must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.