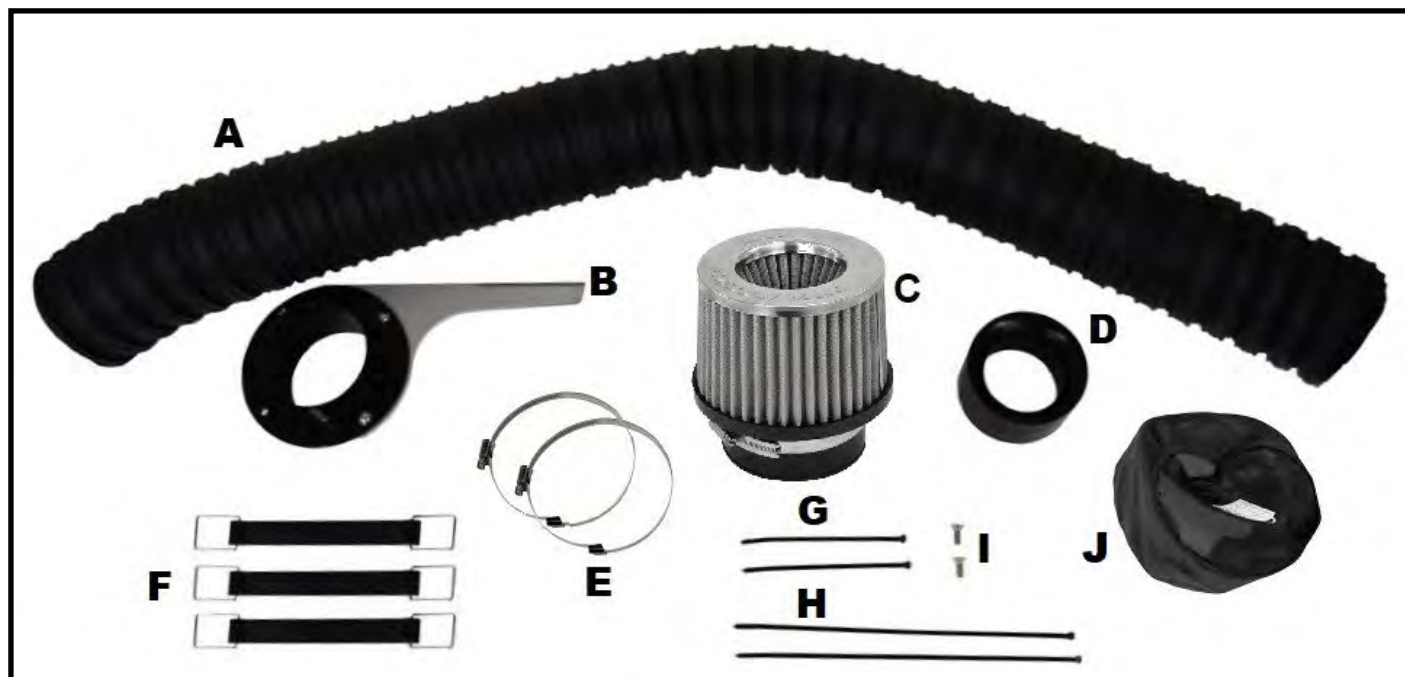




**RIVA RACING**  
PERFORMANCE PRODUCTS & ACCESSORIES

## Sea-Doo Power Filter Kit

RS13111-1



**Applications:** 2012-20 RXP, 2010~17 RXT 260, GTR 215, GTR/GTR-X 230, 2014~16 GTX Ltd 215, 2012~16 Wake Pro

**Approximate Installation Time:**

3.0 Hrs.

**Recommended Specialty Tools:**

N/A

**Part #**

**Additional Required Parts:**

RIVA Catch Can/Engine Breather Kit

**Part #**

RS19050-BCC-5

**Required Materials:**

Blue Loctite

Red Loctite

**Part #**

N/A

N/A



**Sea-Doo Power Filter Kit**

RS13111-1

**COMPONENT LIST**

<b>Item</b>	<b>Description</b>	<b>Part Number</b>	<b>Qty.</b>	<b>Notes</b>
A	Kanaflex Hose	RY13000-KBF	7-ft	
B	Bracket / Double-Flange Assembly	N/A	1	
C	Power Filter	RK13090-4	1	
D	Velocity Stack	RS13050-VS	1	
E	Kanaflex Clamp	02200400CW	2	
F	Fuel Tank Strap	2938500874	3	
G	Zip Tie, Med	TY24MX	2	
H	Zip Tie, Lg	TY26MX	2	
I	Bolt, 6MM x 16MM, FHCS	823078	2	
J	Pre-Filter	RK13090PF-BK	1	

Your kit was inspected and verified before being carefully packaged by our staff. Please check package contents before beginning assembly. If you have a question about missing or damaged items please contact RIVA Technical Support directly at (954) 247-0705 or by e-mail at [tech\\_support@rivaracing.com](mailto:tech_support@rivaracing.com).

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 hardware removed in the disassembly process will be used in the installation process. These instructions have been written in step-by-step format and refer to illustrations. Read through instructions entirely before performing installation. Please follow these step-by-step instructions and illustrations carefully.

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

**\*\*\* NO SMOKING \*\*\* NO SMOKING \*\*\* NO SMOKING \*\*\***

**Caution: Whenever using electric or battery operated tools inside the hull be sure it is well ventilated and no fumes are present. Failure to do so could result in a fire, or explosion and serious personal injury or death.**

**This kit is not intended for use on pollution controlled vehicles. Installation on pollution controlled vehicles may constitute a violation of state or local statutes.**

## **- INSTALLATION INSTRUCTIONS Part 1 Removing OEM Air Box 2011+ RXT/GTX -**

Open front storage compartment.

**RXT/GTX 2011 & newer (2010 models see page 4)**  
Remove storage bin. Remove three rivets and remove compartment door. (Figure 1 RXT)

**Figure 1 RXT**



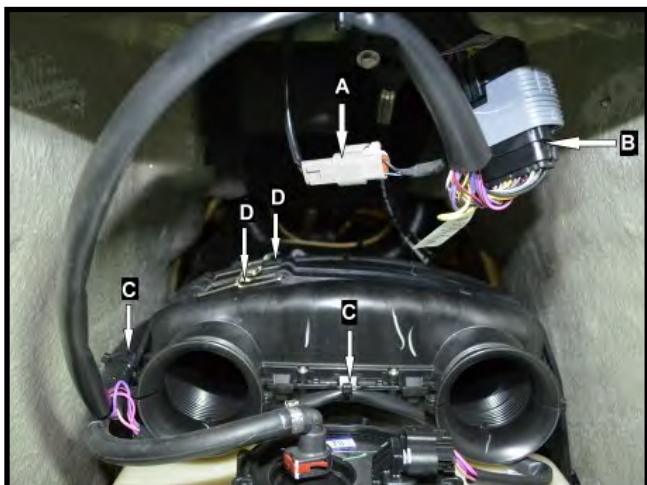
Pull out on the tabs to release the vent tubes and pull vent tubes down and out of the hull. (Figure 2 RXT)

**Figure 2 RXT**



Disconnect OTAS (A) and Gauge (B) connectors. Cut 2 zip ties (C) securing fuel hose and wire harness to air box. Release 2 rubber hold down straps (D). (Figure 3 RXT)

**Figure 3 RXT**



Open seat.

Remove plastic darts securing vent hoses to air inlets and pull vent hoses down off inlets. (Figure 4 RXT) Remove vent hoses from craft and cut to 18" overall length.

**Note: Remove excess from bottom end of hose or you will have to make new holes for the darts when re-installing hoses.**

**Figure 4 RXT**



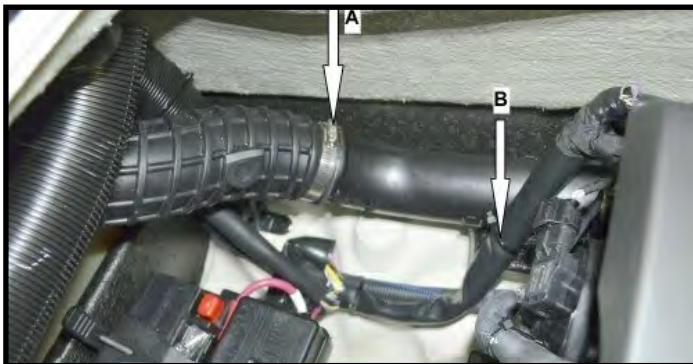
Cut zip tie (A) securing wire harness and fuel line to airbox rear. Release rubber strap (B) securing rear of airbox. (Figure 5 RXT)

**Figure 5 RXT**



Release clamp (A) holding OEM inlet tube to airbox hose. Cut zip tie (B) securing wire harness to OEM inlet tube. (Figure 6 RXT)

**Figure 6 RXT**



Remove airbox from rear of fuel tank compartment into engine compartment and discard.



## **- INSTALLATION INSTRUCTIONS Part 1 Removing OEM Air Box 2011+ RXT/GTX -**

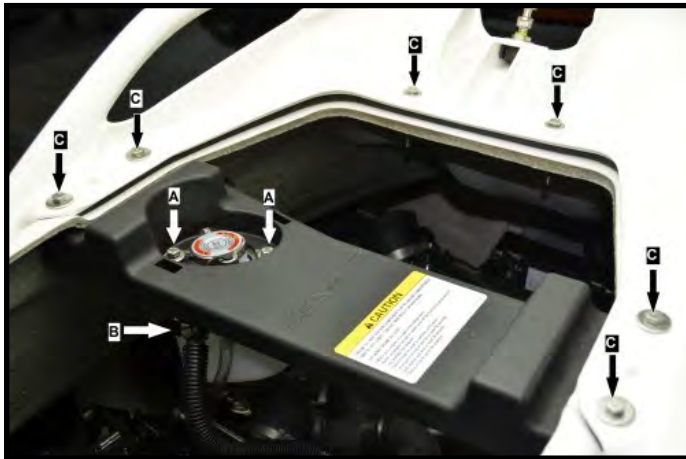
Remove 3 OEM starboard (right side) fuel tank hold down straps previously disconnected. Replace with shorter supplied straps. Reconnect to secure tank. **Tip: Spray window cleaner on underside of straps and top of fuel tank to make stretching straps over tank easier.**

Reinstall shortened vent hoses on air inlets, re-using OEM darts. Route hoses straight down along side of hull.

Remove 2 bolts holding coolant reservoir to deck beam (A). Pull out on retaining tabs (B) and lower the coolant reservoir away from its mounting location. Lay the reservoir to the starboard side to provide better access to the exhaust.

Remove 4 deck beam bolts and 2 grab rail bolts (C), nuts and washers. **Caution:** Don't drop hardware into hull. Remove deck beam and grab rail assembly. (Figure 7 RXT)

**Figure 7 RXT**



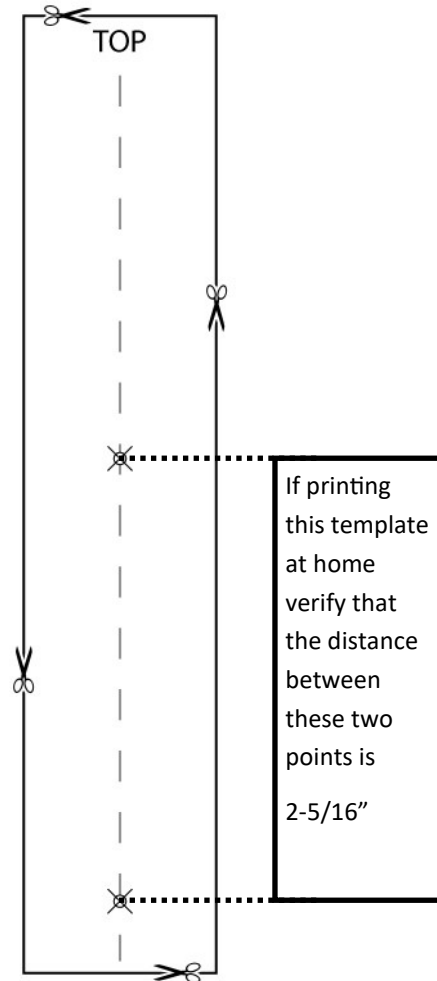
Cut out supplied template and attach to outside right side of hull directly above seat lateral arm bolt. Drill two pilot holes through deck at "X" marks on template. Enlarge holes to 9/32". Countersink holes to allow heads of (2) supplied 6x16 mm flat head screws to sit flush with deck surface. (Figure 8 RXT.)

**Figure 8 RXT**



Cut out this template and attach to right side of ski to locate holes for Double Flange Bracket.

This template is for all models.



**Proceed to Installation Instructions  
Part 2 All Models**

## **- INSTALLATION INSTRUCTIONS Part 1 Removing OEM Air Box 2010 RXT/GTX -**

Open seat.

Remove plastic darts securing vent hoses to air inlets and pull vent hoses down off inlets. (Figure 1 RXT 10) Remove vent hoses from craft and cut to 18" overall length.

**Note: Remove excess from bottom end of hose or you will have to make new holes for the darts when re-installing hoses.**

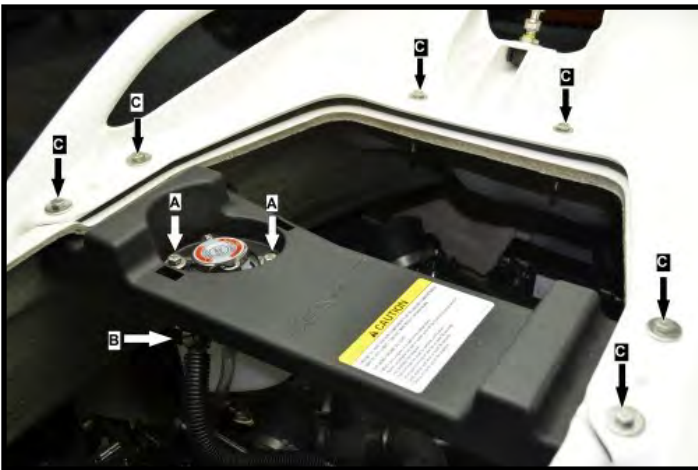
**Figure 1 RXT 10**



Remove two bolts holding coolant reservoir to deck beam (A). Pull out on retaining tabs (B) and lower the coolant reservoir away from its mounting location. Lay the reservoir to the starboard side to provide better access to the exhaust.

Remove 4 deck beam bolts and 2 grab rail bolts (C), nuts and washers. Caution: Do not drop nuts and washers into hull. Remove deck beam and grab rail assembly. (Figure 2 RXT 10)

**Figure 2 RXT 10**



Release latches (5) securing air intake silencer cover. (Figure 3 RXT 10)

**Figure 3 RXT 10**



Lift cover and pull forward to gain access to blow-by hose. Remove hose. Discard lid. Remove air intake silencer baffle (pull up) and Blow-by Hose. Discard both. (Figure 4 RXT 10)

**Figure 4 RXT 10**



Remove rubber straps (3) securing air intake tube. Remove air intake tube and discard. (Figure 5 RXT 10)

Remove rubber straps (3) securing air intake tube. Remove air intake tube and discard. (Figure 3 RXT 10)



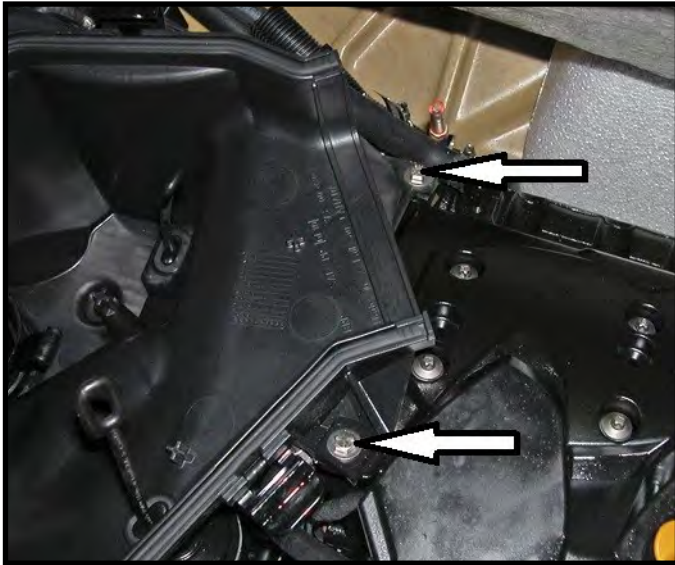
## **- INSTALLATION INSTRUCTIONS Part 1 Removing OEM Air Box 2010 RXT/GTX -**

**Figure 5 RXT 10**



Remove bolts (2) securing air intake silencer to motor. (Figure 6 RXT 10)

**Figure 6 RXT 10**



Inside air intake silencer squeeze outlet hose together. Remove air intake silencer by lifting up. Discard.

Remove air intake silencer support from supercharger housing (3 bolts) and discard. (Figure 7 RXT 10 )

**Figure 7 RXT 10**



Remove clamp securing air inlet tube to supercharger and remove air inlet tube. (Figure 8 RXT 10)

**Figure 8 RXT 10**



Cut out supplied template and attach to outside right side of hull directly above seat lateral arm bolt. Drill two pilot holes through deck at "X" marks on template. Enlarge holes to 9/32". Countersink holes to allow heads of 2 supplied 6x16 mm flat head screws to sit flush with deck surface. (Refer to figure 8 RXT Page 4)

**Proceed to Installation Instructions  
Part 2 All Models**



## **- INSTALLATION INSTRUCTIONS Part 1 Removing OEM Air Box RXP/GTR -**

Open storage compartment and remove cover (2 bolts)

Remove plastic rivets (A) and disconnect retaining strap (B). Remove divider from storage compartment. (Figure 1 RXP)

**Figure 1 RXP**

Remove darts (A) and remove vent hoses from hull. (Figure 2 RXP)

**Figure 2 RXP**



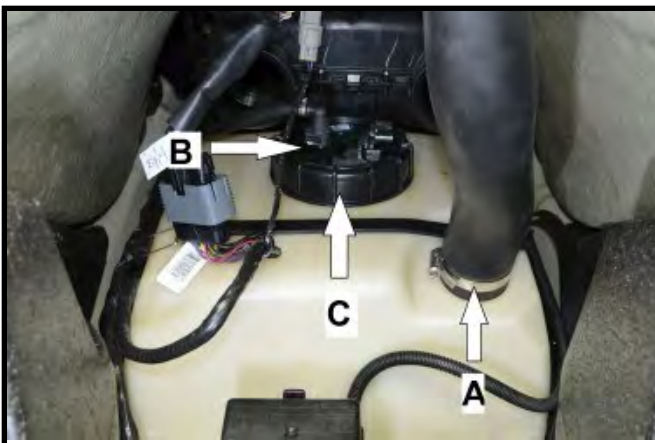
Loosen clamp (A) and remove fuel filler hose from tank.

Unclip fuel line (B) from fuel pump module.

Unscrew nut (C) and remove fuel module. (Figure 3 RXP)

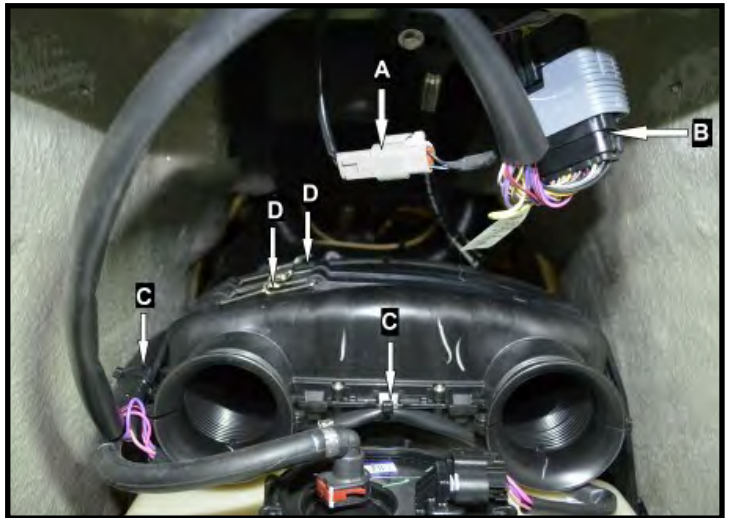
**Note: Take care not to drop gasket into tank. Gasket may be swollen. Place in freezer to return to original size before reinstalling.**

**Figure 3 RXP**



Disconnect OTAS (A) and Gauge (B) connectors. Cut 2 zip ties (C) securing fuel hose and wire harness to air box. Release 2 rubber hold down straps (D). (Figure 4 RXP)

**Figure 4 RXP**



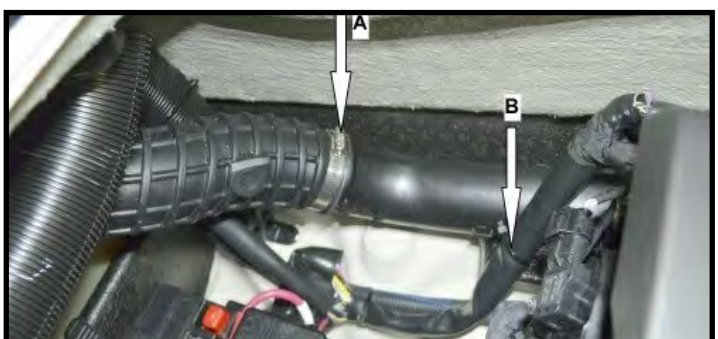
Cut zip tie (A) securing wire harness and fuel line to airbox rear. Release rubber strap (B) securing rear of airbox. (Figure 5 RXP)

**Figure 5 RXP**



At rear of airbox release clamp (A) holding OEM inlet tube to airbox hose. Cut zip tie (B) securing wire harness to OEM inlet tube. (Figure 6 RXP)

**Figure 6 RXP**



## **- INSTALLATION INSTRUCTIONS Part 1 Removing OEM Air Box RXP/GTR -**

Working from front storage compartment pull airbox out of front of ski and discard. Airbox has to move upward to clear fuel tank. If the top of the airbox gets stuck, grasp inlet tubes and push downward while pulling firmly out. The top of the fuel tank will depress enough to allow the airbox to be removed.

Reinstall fuel pump module and gasket, connect fuel line and fuel filler hose. If gasket is damaged or does not fit replace with OEM part no. 293250173

Remove 3 OEM starboard (right side) fuel tank hold down straps previously disconnected. Replace with shorter supplied straps. Reconnect to secure tank. **Tip: Spray window cleaner on underside of straps and top of fuel tank to make stretching straps over tank easier.**

Remove seat

Remove 2 bolts on each side holding side panels in place and remove the side panels. (Figure 7 RXP)

**Figure 7 RXP**



Remove 2 screws (A) and 2 plastic rivets (B) holding vent cover to rear grab handle and remove vent cover (Figure 8 RXP).

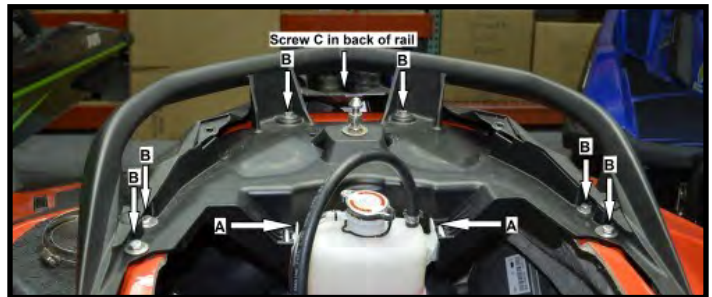
**Figure 8 RXP**



Press the 2 locking tabs (A) on the coolant reservoir towards the reservoir body and lift the reservoir out of its mounting location. Lay the reservoir to the starboard side to provide better access to the exhaust.

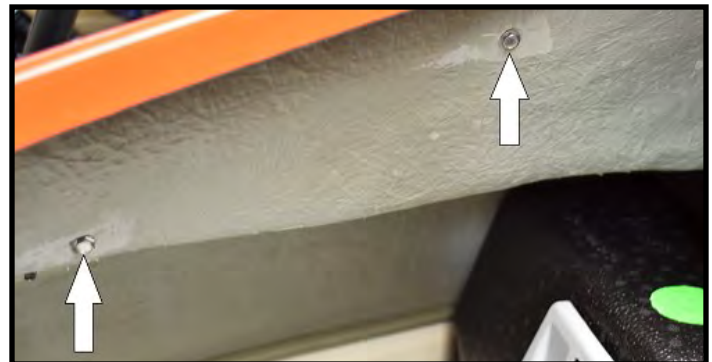
Remove 7 bolts (B & C), nuts and washers holding rear grab rail in place and remove grab rail. **Caution:** Don't drop hardware into hull. (Figure 9 RXP)

**Figure 9 RXP**



Inside storage compartment remove 2 screws and 1 plastic rivet retaining ride side trim panel. (Figure 10 RXP)

**Figure 10 RXP**



**RXP and GTR-X:** Remove 3 screws and 2 plastic darts on outside of right side trim panel. **Note:** One dart is on inside rear of panel as shown. Push panel toward front and rotate away from hull to remove. (Figure RXP 11)

**Figure 11 RXP**



**GTR:** See next page.



**GTR:** Remove plastic darts (2). Strike panel smartly forward and rotate down and away from hull to remove. (Figure 12 RXP)

**Figure 12 RXP**



On GTR models there is an empty screw hole in front of the air duct inlet. On RXP and GTR-X models there is a screw in this location holding a wire tie tab inside the hull. Remove the screw if it is present. (Figure 13 RXP)

**Figure 13 RXP**



Cut out template. Align upper x of template with center of screw hole and right side of template with vertical body line and tape in place. (Figure 14 RXP)

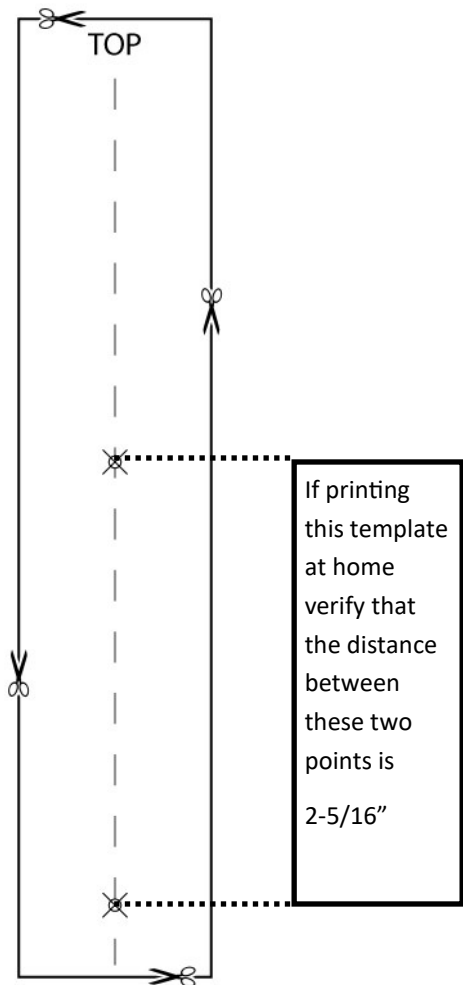
**Figure 14 RXP**



Drill two pilot holes through deck at "X" marks on template. Enlarge holes to 9/32". Countersink holes to allow heads of 2 supplied 6x16 mm flat head screws to sit flush with deck surface.

Cut out this template and attach to right side of ski to locate holes for Flame arrestor/filter bracket.

This template is for all models.

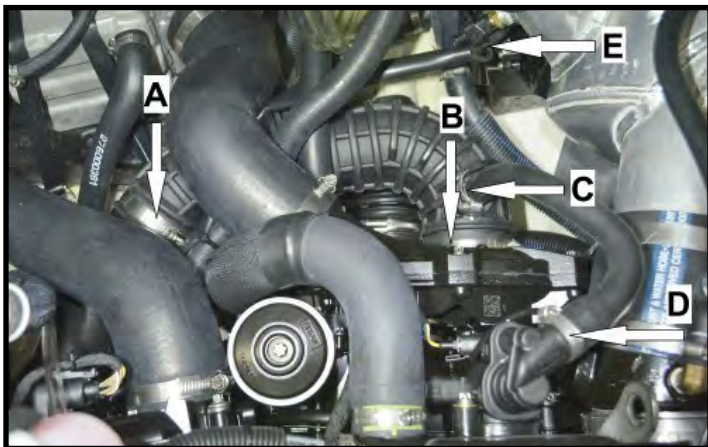


**Proceed to Installation Instructions  
Part 2 All Models**

## **- INSTALLATION INSTRUCTIONS Part 2 All Models -**

Release clamp (A) securing supercharger inlet hose to rear of OEM inlet tube. Pull hose off inlet tube. Remove OEM inlet tube by sliding out through front storage compartment. Release clamps (B, C and D) and remove OEM supercharger inlet hose and crankcase breather hose. Disconnect cable from exhaust temp sensor (E) and drop connector into hull. (Figure 1 ALL)

**Figure 1 ALL**



Inside of black plastic velocity stack has a groove. When properly installed this groove will fit over the ridge on the supercharger inlet. (Figure 2 ALL)

**Figure 2 ALL**



Lubricate inside of supplied velocity stack and outside of supercharger inlet with glass cleaner. Push black plastic velocity stack firmly onto supercharger inlet until fully seated. (Figure 3 ALL)

**Figure 3 ALL**



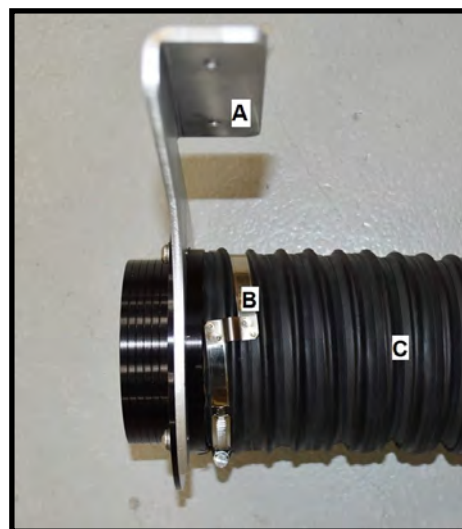
Pre-assemble air intake system using the following supplied components:

Filter/Duct Support (A), Kanaflex Clamp (B), Ducting (C) (Figure 4 ALL).

Install Kanaflex clamp onto end of ducting. **NOTE:** Inside of clamp is threaded. Twist onto ducting until edge is flush with end of ducting. **TIP:** Spray glass cleaner onto outside of ducting to ease installation.

Spray glass cleaner into end of ducting and onto Filter/Duct Support flange. Install end of ducting onto billet flange as shown above. Secure by tightening Kanaflex clamp. **NOTE: Do not over tighten bolt.**

**Figure 4 ALL**



Insert end of ducting without bracket from storage compartment into fuel tank compartment. Pull through from engine compartment until installed bracket is in fuel tank compartment.

Feed long end of ducting into hull at front of engine; along right side of craft; under intake manifold; around back of engine. Pull open end of ducting past intake manifold and up out of engine compartment. (Figure 5 ALL) **Tip: Spray foaming glass cleaner onto ducting to ease passage under manifold.**

**Figure 5 ALL**





## **- INSTALLATION INSTRUCTIONS Part 2 All Models -**

Secure Filter/Duct Support to right side of hull using 2 supplied 6 x 16 mm Flat Head Screws through holes previously drilled. It may be necessary to loosen Kanaflex clamp to rotate support so it lines up with hull at mounting location. (Figure 6 ALL) **Note: Use red Loctite on screw threads.**

**Figure 6 ALL**



Install Power Filter onto Filter/Duct Support flange and secure. **NOTE: Ensure Power Filter is installed onto billet flange completely. Do not over tighten clamp.**

Install supplied Kanaflex clamp onto engine end of ducting. **NOTE:** Twist onto ducting until edge is flush with end of ducting. **TIP:** Spray glass cleaner onto outside of ducting to ease installation

Spray glass cleaner into ducting and onto velocity stack on supercharger inlet. Install ducting onto tapered velocity stack completely. Secure by tightening Kanaflex clamp. **NOTE: Do not over tighten bolt.** (Figure 7 All)

**Figure 7 ALL**



RIVA Breather Catch Can Kit RS19050-BCC-5 or similar is required for this kit. If not previously fitted it should be installed at this time.

Replace all parts removed to access installation points. 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@rivaracing.com](mailto:tech_support@rivaracing.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.