



Sea-Doo 325 Power Filter Kit

RS13220



Applications:

325hp Sea-Doo RXT, RXP & GTX

Approximate Installation Time:

2 HR.

GET THE LATEST UPDATES!

Prior to installation, go to the RIVA Racing online Instruction Library to download the latest version of these instructions:

<https://rivaracing.com/instructions>

Recommended Specialty Tools:

Sharp Utility Knife

Part

N/A

Required Add-on:

Catch Can/Engine Breather Kit

Part

RS19050-BCC-6

Recommended Add-ons:

Intercooler Tubing Upgrade Kit

Vacuum Port Adapter Kit

Part

RS17220-TK-TV

RS12050-VPA



Sea-Doo 325 Power Filter Kit

RS13220

COMPONENT LIST

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>RIVA PART #</u>	<u>QTY</u>	<u>NOTES</u>
A	Power Filter	PLU-RS13220	1	Includes hose clamp.
B	Pre-filter	RS13220PF-BK	1	
C	Power Filter Tube (plastic)	RTL-RS13220	1	
D	Power Filter Tube (silicone)	GT-RS13220	1	
E	Velocity Stack	RS13220-VS	1	
F	Hose Clamp (#64)	6564E-52	2	
G	Zip Tie (medium)	TY24MX	5	

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.

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 -

Remove seat(s).

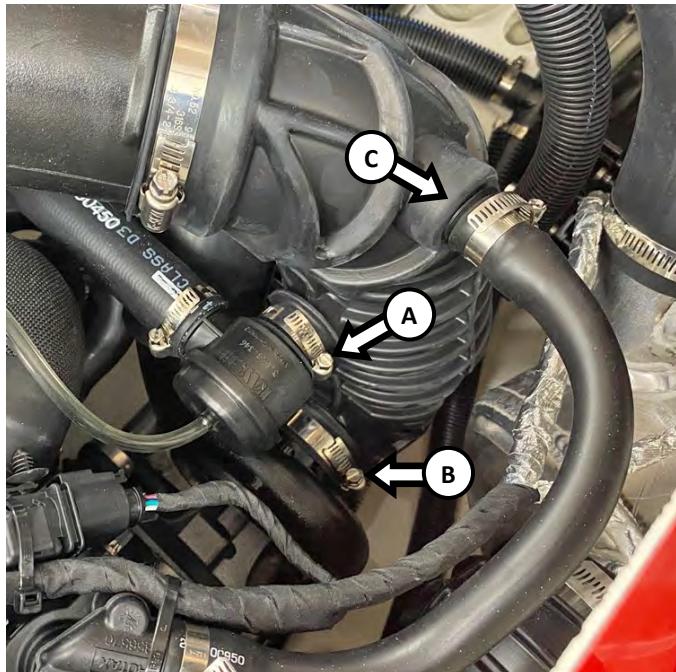
Remove engine service cover (13 Torx screws).

Remove large zip tie (1) securing plastic air intake tube to forward rubber elbow. Unclip straps (2) securing plastic air intake tube to intake manifold. **TIP: Remove plastic clips on air intake tube cradle. They are easy to dislodge and they are not available separately!**



Remove plastic engine cover

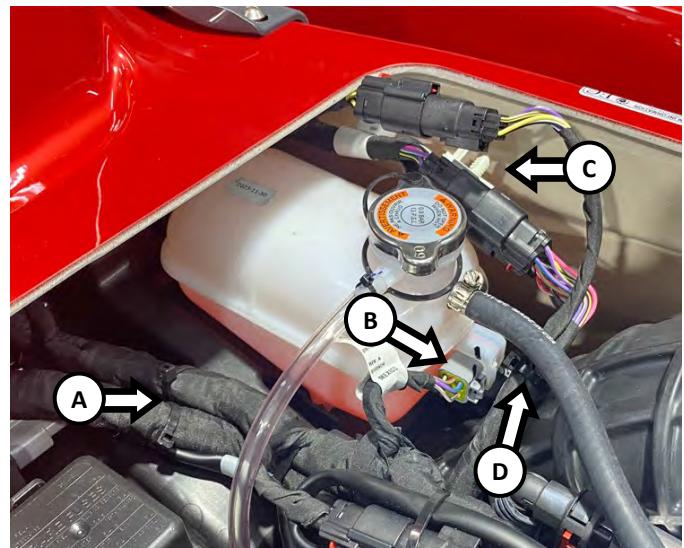
Loosen hose clamp (A) securing OEM blow-off valve to rubber air intake tube. Loosen hose clamp (B) securing rubber air intake tube to supercharger inlet.



Remove (pull) engine vent hose with barbed fitting (C) from rubber air intake tube.

If you will be installing our Intercooler Tubing Upgrade Kit (part# RS17220-TK-TV) remove OEM air intake tubes and blow-off valve and discard.

Cut zip ties (A-2) securing ECU wiring harnesses to top of OEM air box.



Remove diagnostic connector (B) from engine coolant tank.

Disconnect electrical connectors (C-2) beside engine coolant tank. Cut zip tie (D) securing wiring harness to rubber air intake tube.

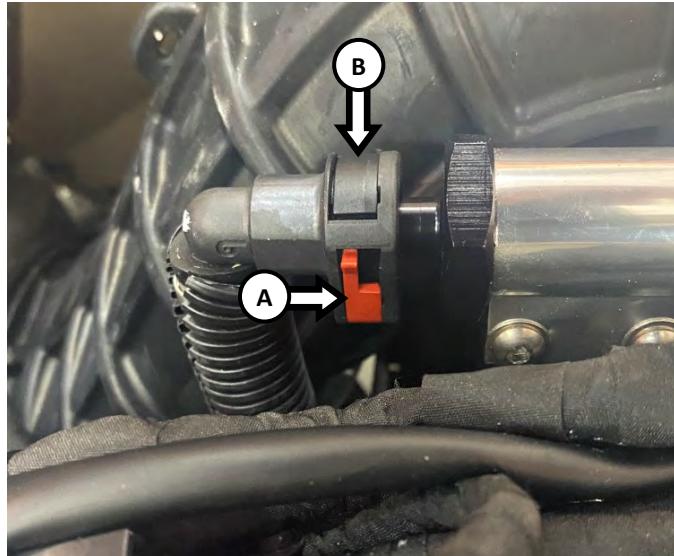


Remove coolant tank by prying locking lever away from tank and then pulling tank towards rear of craft.

On engine, at top of front cylinder, disconnect electrical connector for coil pack and remove zip tie securing wiring harnesses together.

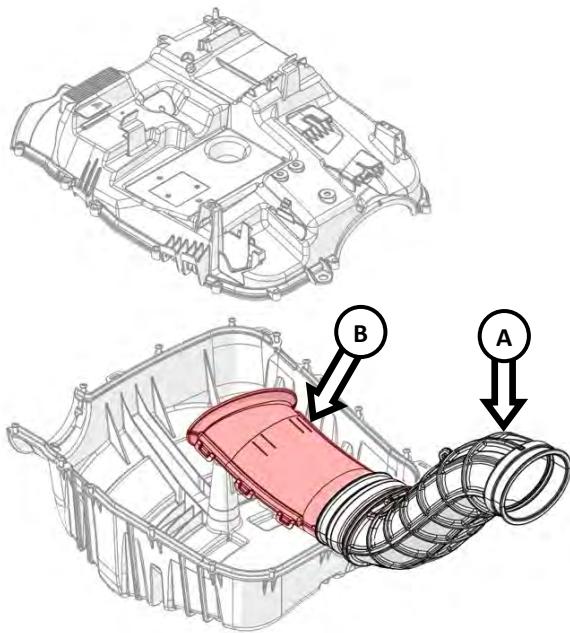
- INSTALLATION INSTRUCTIONS -

At fuel rail fuel line fitting, pry tabs outward on red clip (A) and slide clip down. Then, depress button on top (B) to disconnect fitting from fuel rail. **NOTE: Fuel system may be pressurized. Be sure to cover with shop rag.**



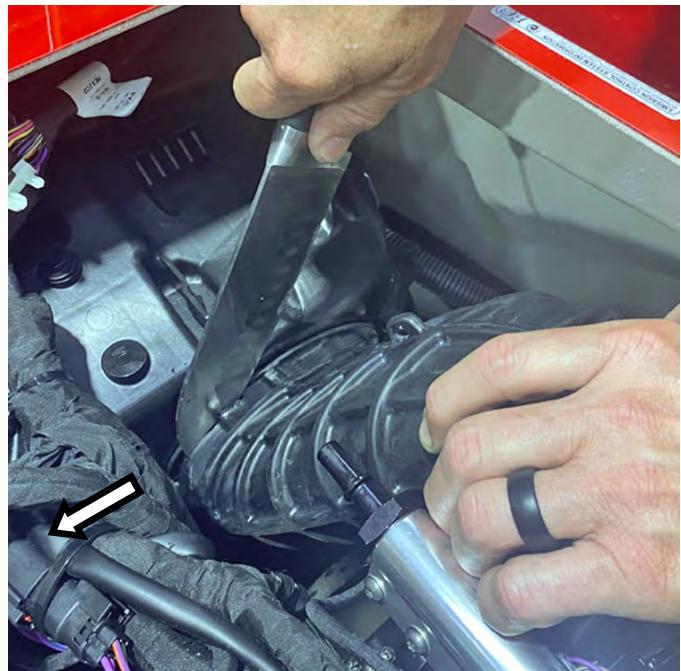
Carefully move fuel line under rubber air intake tube and place between hull and intake manifold. **NOTE: Be sure fitting remains elevated to prevent fuel from leaking.**

The remaining rubber air intake tube (A) is connected to a plastic silencer tube (B) inside the air box.



The air box must be removed from the hull in order to remove the silencer. If only the rubber tube is removed by pulling it out of the air box, the plastic silencer will rattle around inside the air box. To expedite installation of this Power Filter Kit we recommend cutting the rubber air intake tube flush at the air box. Doing so will enable the remaining rubber sleeve to hold the plastic silencer securely in place.

Using a sharp utility knife, preferably with a long blade, **carefully** cut the remaining rubber air intake tube flush with the flange that seals it to the air box. **NOTE: Move electrical harnesses away from tube (towards battery) before proceeding.**



Reconnect fuel line to fuel rail ensuring the connector is securely locked to the fuel rail fitting (audible click).

Replace the engine coolant tank making sure it is securely locked into place on the OEM air box.

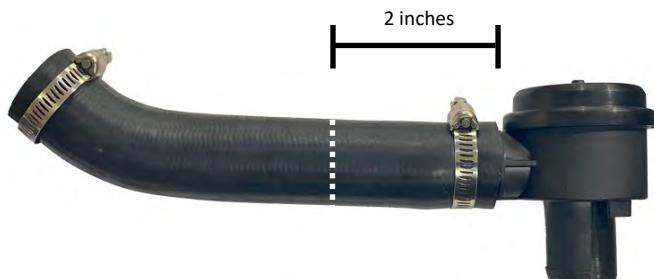
Reconnect electrical connectors (2) making sure they are securely locked together (audible click). Secure wiring harnesses and hoses where zip ties were previously removed using supplied zip ties.

- INSTALLATION INSTRUCTIONS -

Install Catch Can/Engine Breather Kit.

Install recommended Intercooler Tubing Upgrade Kit now, or modify the OEM blow-off valve hose if you are retaining the OEM intercooler tubing.

Measure 2 inches from blow-off valve and cut hose.



Replace OEM blow-off valve and secure. **NOTE: Orient blow-off valve so that outlet is pointing down towards PTO. Ensure vacuum line (clear hose) from intake manifold is connected to blow-off valve.**



On the intake manifold, relocate forward most air intake tube cradle to runner for middle cylinder.



Install supplied Velocity Stack onto supercharger inlet. **TIP: Apply glass cleaner to inside of velocity stack.**



Install supplied Power Filter onto supplied Plastic Air Intake Tube and secure. **TIP: Apply glass cleaner to inside edge of Power Filter and outside edge of supplied Power Filter Tube.**



Place one supplied Hose Clamp onto round end of supplied Silicone Air Intake Tube. Install tube onto velocity stack routing opposite end over throttle body. Do not secure at this time.



Replace plastic clips (2) into cradles on intake manifold.

- INSTALLATION INSTRUCTIONS -

Place other supplied hose clamp over oval end of tube. Install plastic air intake tube with Power Filter into open end of silicone air intake tube. **Tip: Form hose clamp into an oval shape to ease installation.**

Install Power Filter/Plastic Air Intake Tube into open end of silicone air intake tube. Do not secure. **TIP:** Apply glass cleaner to inside edge of silicone tube and outside of plastic Power Filter Tube.



Secure Power Filter Tube to cradles on intake manifold.

Check alignment and position of Power Filter assembly. Secure clamps (2) on Silicone Air Intake Tube. **NOTE: Do not overtighten clamps.**

Install supplied Pre-filter.

Check bilge for rags, tools etc.

Run craft on a flush hose to check for proper operation.

Replace engine cover, bodywork and/or seat(s) previously removed.

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.

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.