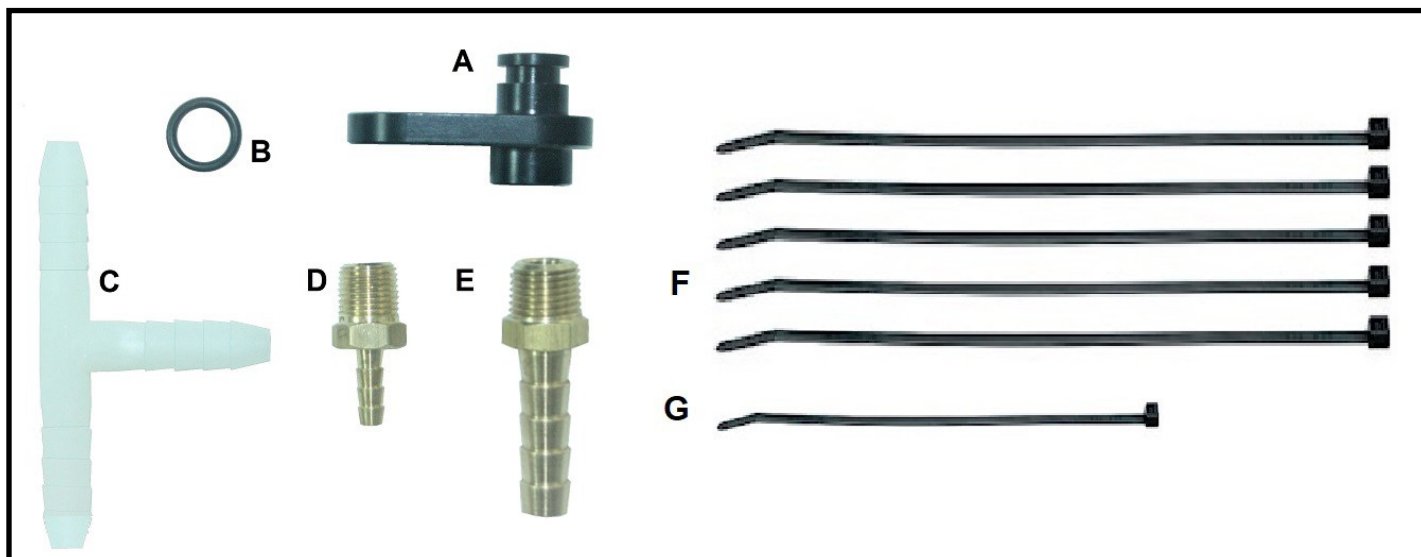




**RIVA RACING**  
PERFORMANCE PRODUCTS & ACCESSORIES

## Sea-Doo Vacuum Port Adapter

RS12050-VPA



**Applications:** Sea-Doo 230/300/325 4-TEC Engines

**Approximate Installation Time:**

0.5 Hr.

**Recommended Specialty Tools:**

Star Socket Set (Torx)

**Part #**

RS09531

**Required Materials:**

Pipe Thread Sealant

**Part #**

N/A

**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>



**Sea-Doo Vacuum Port Adapter**

*RS12050-VPA*

**COMPONENT LIST**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	Comments
A	Billet Vacuum Port Adapter	QCA-RS12050-VPA	1	
B	O-Ring, 1.9MM x 8.9MM	9262K566	1	
C	Plastic Tee, 1/4"	5372K613	1	
D	1/8" Barbed X 1/8" NPT STR FTG	220A	1	
E	1/4" Barbed X 1/8" NPT STR FTG	220C	1	
F	Large Zip Tie	TY25MX	5	
G	Small Zip Tie	TY23MX	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@rivamotorsports.com](mailto:tech_support@rivamotorsports.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.**

## - INSTALLATION INSTRUCTIONS -

Remove seat(s).

Remove engine service cover (18+ models).

Remove plastic engine cover. Cut zip ties (5) holding wire harness to intake manifold. Remove screws (3) and remove ECU from intake manifold. (Figure 1)

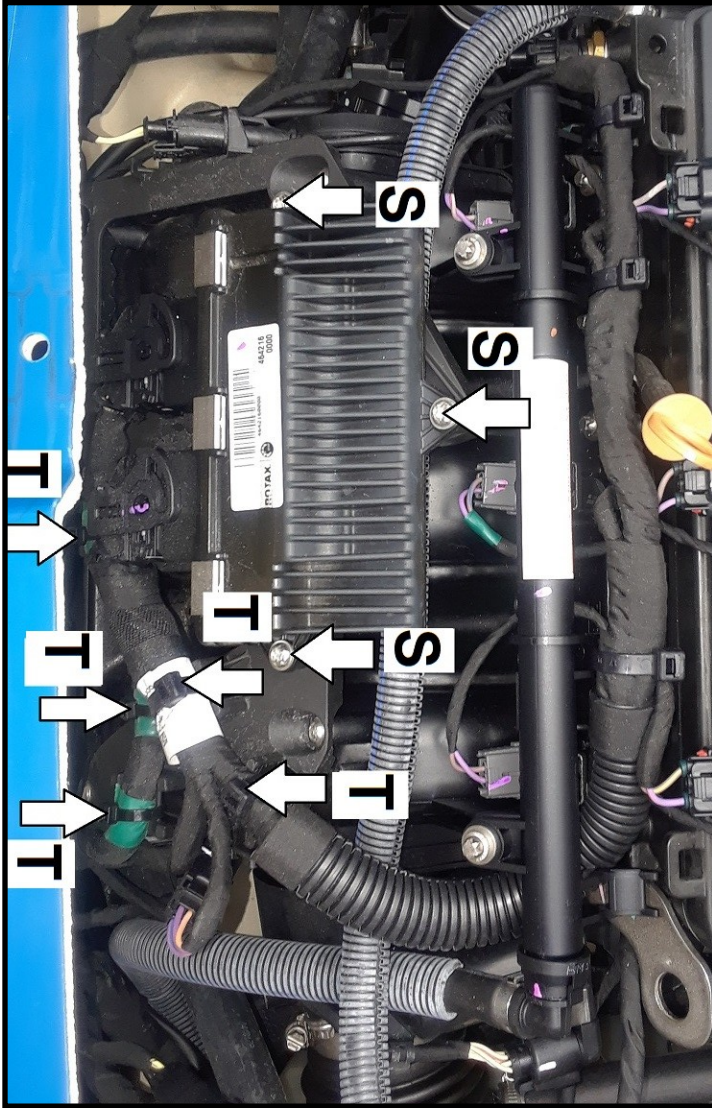


Figure 1

Remove plastic block-off plate from intake manifold. (1 torx screw). (Figure 2)

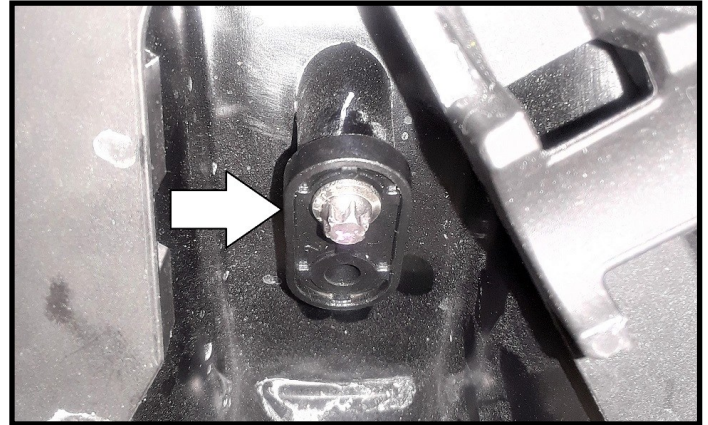
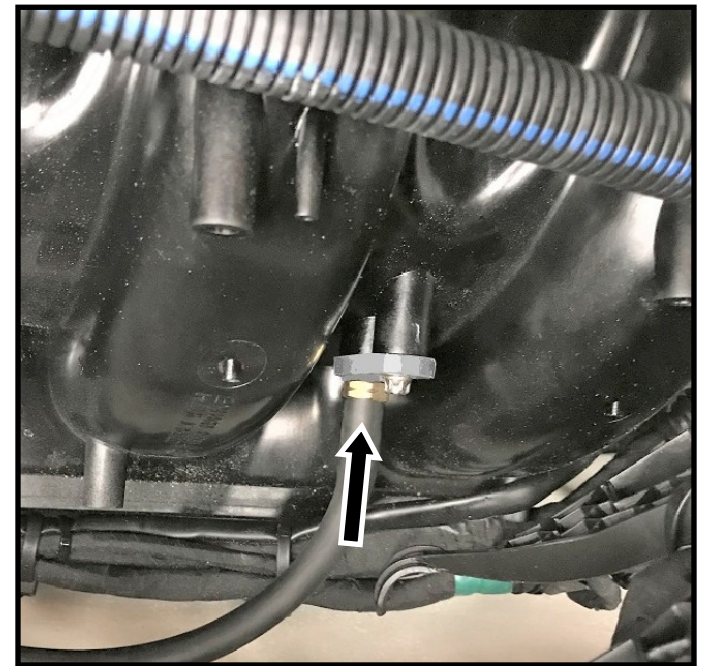


Figure 2

Install appropriate supplied barbed fitting into supplied billet adapter. **NOTE: Apply pipe thread sealant to threads on fitting. Do not overtighten fitting.**

Install billet adapter into manifold and secure using bolt previously removed. **TIP: Apply glass cleaner to o-ring first.** (Figure 3)

Figure 3



Attach vacuum line from accessory onto barbed fitting completely. Secure with supplied small zip tie. (Figure 3)

**NOTE:** Supplied plastic "T" fitting may be installed into vacuum line to allow multiple devices (blow-off valve, fuel pressure regulator, etc.) to be used with vacuum port.

Reassemble parts removed to access intake manifold.  
Secure electrical harness with supplied large zip ties.

Thoroughly inspect engine compartment and bilge for tools, rags, parts, etc.

Run craft on stand using 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 Vacuum Port Adapters carry a 90-day 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.