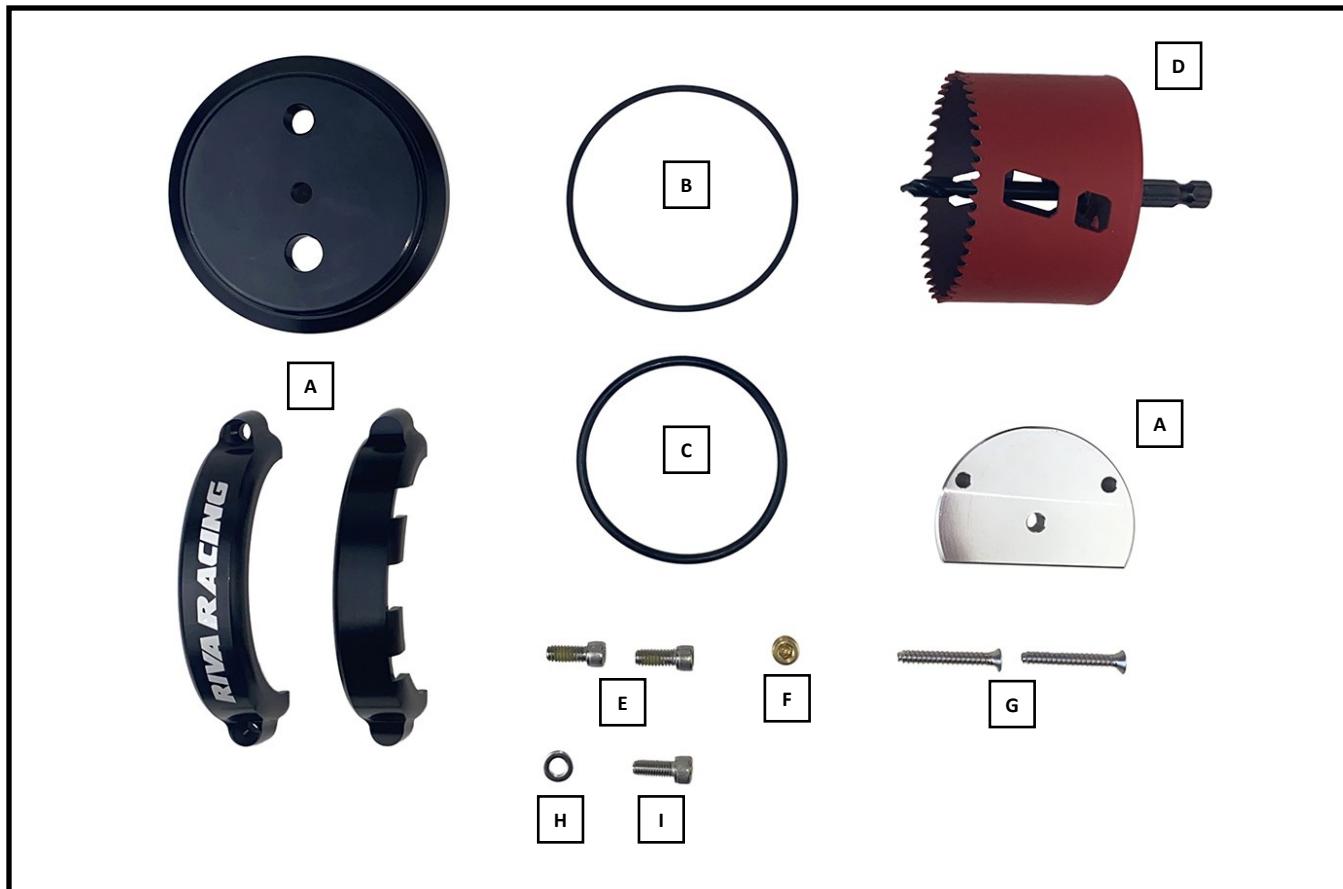




RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Sea-Doo Intake Manifold Upgrade Kit

RS12140-IMUK



Applications:

Sea-Doo 230hp & 300hp Engines

Approximate Installation Time:

2hrs.

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:

Fuel Disconnect Tool

Part

529036037

Required Materials:

Blue Loctite

Pipe Thread Sealant

Part

N/A

N/A



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COMPONENT LIST

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>RIVA PART #</u>	<u>QTY</u>	<u>NOTES</u>
A	Billet Block-off	QCA-RS12140-IMUK	1	
	Block-off Clamp		1	2 pieces
	Drill Bit Guide		1	
B	O-ring A	9262K371	1	
C	O-ring B	AME-15152-37	1	
D	Hole Saw Bit	116503	1	
E	Self-locking Bolt	93705A538	2	
F	Countersunk Brass Plug	109UA	1	
G	Self-tapping Screw	95893A368	2	
H	Flat Washer	.6NWTFS	1	
I	Bolt	.6C16SHCS	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.

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 *****

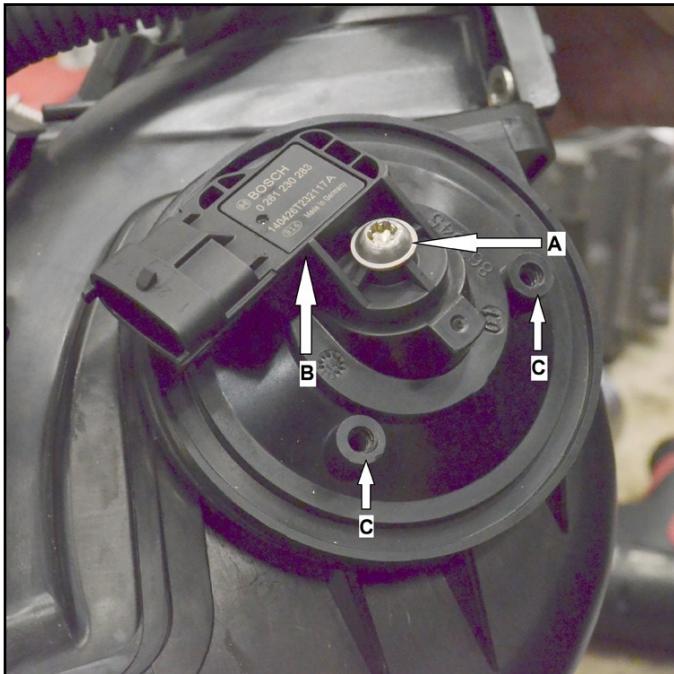
***** NO SMOKING *** NO SMOKING *** NO SMOKING *****

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 -

Follow the instructions in the appropriate Sea-Doo service manual to remove the intake manifold from the engine.

At front of intake manifold, remove Torx bolt (A). Remove MAPTS sensor (B).
MAPTS sensor (B).



Place supplied drill bit guide onto the intake manifold. Align screw holes (2) in drill bit guide with existing holes (C) in intake manifold.



Fasten drill bit guide to intake manifold with supplied flat self-tapping screws (2).

Using a hand drill and supplied hole saw bit, carefully drill into intake manifold. Insert the drill bit of the hole saw into the center hole of the drill bit guide.



Hold manifold securely and drill slowly. **NOTE: Take your time! Do not force.** Internal filter element is directly behind the thin section you are drilling into.

Remove internal filter element through opening created. **NOTE: It may be necessary to trim rough edge of opening in order to remove filter. Do so using a sharp utility knife.**



- INSTALLATION INSTRUCTIONS -

Thoroughly clean inside of intake manifold to ensure no debris or filings remain.

Apply thin coating of waterproof grease onto supplied o-ring that is larger in diameter. Place o-ring onto supplied billet block-off and into groove A. **NOTE: Make sure o-ring does not dislodge from groove if block-off is flipped over.**



Apply a liberal coating of waterproof grease onto supplied o-ring that is smaller in diameter. Place o-ring onto block-off and into groove B.

Insert block-off assembly into newly created opening in intake manifold and position as shown above.



Place one half of the block-off clamp with RIVA logo on top of the block-off insert. Place other half of block-off clamp with 3 cut outs onto bottom of block-off insert so the cut outs are against the intake manifold.

Secure clamp using supplied self-locking bolts (2). **NOTE: Do not apply Loctite to bolts.**

Install supplied countersunk brass plug. **NOTE: Apply pipe thread seal. Do not overtighten.**



Install MAPTS sensor and secure using supplied M6 bolt and washer. **NOTE: Verify o-ring is in place on sensor.**

Reinstall intake manifold onto engine in reverse order of removal process. Refer to OEM Service manual.

Check bilge for rags, tools etc.

Run craft on a flush hose 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.

Limited Warranty

RIVA Intake Manifold Upgrade 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.