



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Intake Manifold Upgrade Kit

PART# - RS12140-IMUK



Applications: Sea-Doo 300 Engines

Approximate Installation Time: 2hrs.

Recommended Specialty Tools:

Fuel Disconnect Tool

Part #

529036037

Required Materials:

Blue Loctite

Part #

N/A

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 *****



RS12140-IMUK Intake Manifold Upgrade Kit

COMPONENT LIST

		QUANTITY	PART NUMBER	DESCRIPTION
A	<input type="checkbox"/>	1	Ame-15152-37	O-ring, Viton
B	<input type="checkbox"/>	1	9262K371	O-ring, Buna-N, (4mm Width x 72mm I.D.)
C	<input type="checkbox"/>	1		Billet Block-Off
D	<input type="checkbox"/>	1	4008A48	Hole Saw
E	<input type="checkbox"/>	2	95893A368	Self Tapping screw
F	<input type="checkbox"/>	1		Billet Half Clamp 1
G	<input type="checkbox"/>	1		Billet Half Clamp 2
H	<input type="checkbox"/>	1		Drill Guide
I	<input type="checkbox"/>	1	109UA	Brass Plug
J	<input type="checkbox"/>	1	93705A538	Self Locking Bolts
K	<input type="checkbox"/>	1	4066A89	Pilot Drill
L	<input type="checkbox"/>	1	051.6.16	6 x 16 mm SS Socket Head Bolt
M	<input type="checkbox"/>	1	369021ss	6mm SS Flat Washer

Packed with pride by: _____

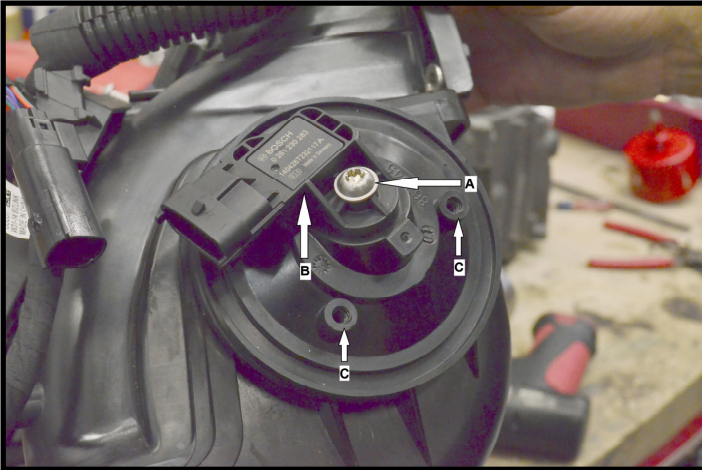
Your kit was inspected and verified before being carefully packaged by our staff. Please check package contents before beginning assembly. If you have a question about missing or damaged items please contact RIVA Technical Support directly at (954) 247-0705 or by e-mail at tech_support@rivamotorsports.com

- INSTALLATION INSTRUCTIONS -

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

1. Remove the torx head screw (A) holding the MAPTS (B) to the intake manifold and remove the MAPTS. (Figure 1)

Figure 1.



2. Place the supplied drill guide onto the intake manifold. Align the screw holes in the drill guide with the two existing pre-tapped holes in the intake manifold (C in figure 1) and fasten the drill guide to the intake manifold with the 2 supplied self tapping phillips head countersunk screws. (Figure 2)

Figure 2



3. Using a hand drill and the supplied hole saw bit drill into the intake manifold. Insert the drill bit of the hole saw into the drill guide as shown. Hold the manifold securely and drill slowly. **NOTE: Take your time! Apply gentle pressure. The stock filter element is directly behind the thin section you are drilling into.** (Figure 3)

Figure 3.



4. Remove the stock filter element through the opening you have created. **NOTE: It may be necessary to trim rough edge of opening in order to remove filter. Do so using a sharp utility knife.** (Figure 4)

Figure 4.



5. Thoroughly clean inside of intake manifold to ensure no debris or filings are left over.
Apply a liberal coating of waterproof grease onto the larger diameter of the two supplied o-rings. Place the O-ring over the block off and press it into the top groove. (A in Figure 5) Make sure the o-ring does not come out of the groove if you turn the block off upside down.
Apply a thin coating of waterproof grease onto the smaller of the two supplied o-rings. Slip the o-ring on to the supplied billet block off. Slide the o-ring onto the block off until it seats into the first groove. (B in figure 5)

- INSTALLATION INSTRUCTIONS -

Figure 5.



6. Slide the block-off assembly into the opening in the intake manifold and position as shown. (Figure 6)

Figure 6.



7. Place the half of the block-off clamp with the RIVA logo on top of the opening. Place the half with the 3 cut outs onto the bottom of the opening so the cut outs are against the intake manifold. (Figure 7.)
Secure using 2 supplied self locking bolts. **NOTE: Do not apply Loc-tite to bolts.**

Figure 7.



8. Install brass plug and MATPS as shown using supplied 6mm bolt and washer. (Figure 8.)

Figure 8.



Follow the instructions in the appropriate Sea-Doo service manual to reinstall the manifold on the engine.

***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.

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.

This area intentionally left blank