

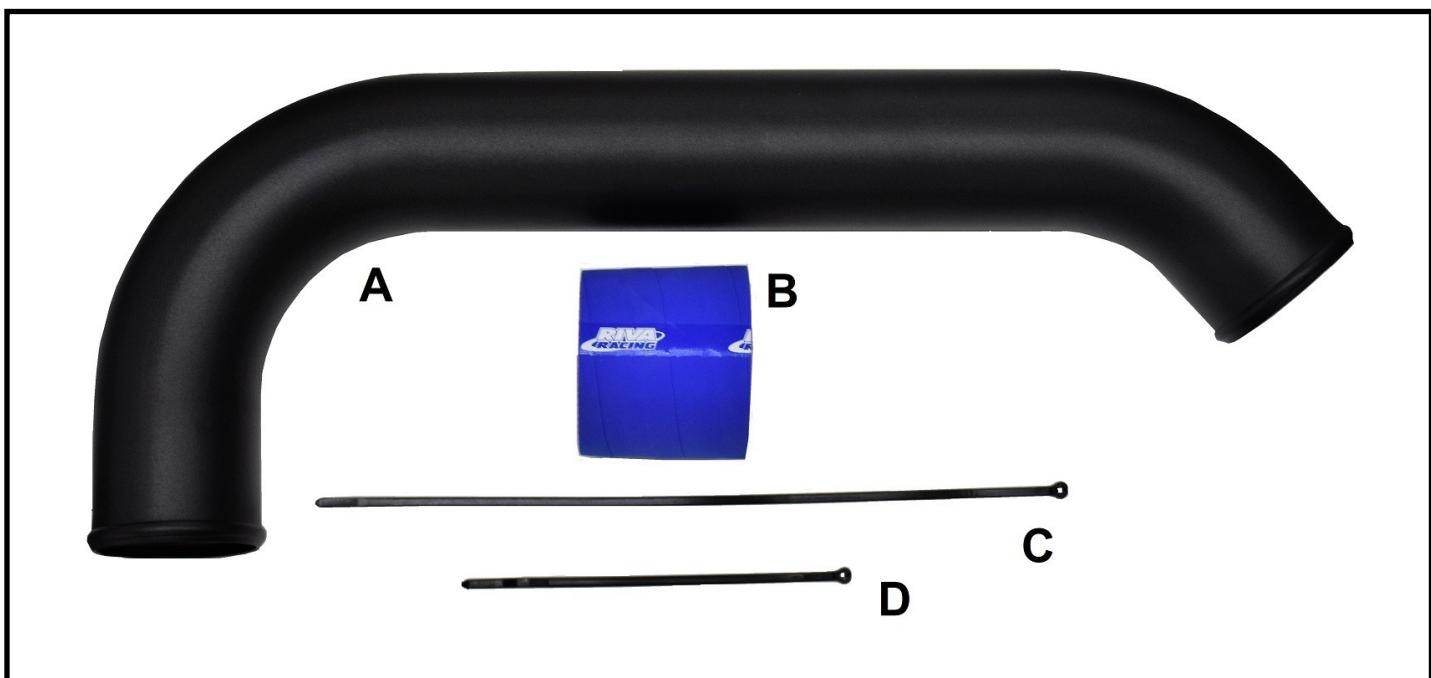


RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

RXT/GTX 300 and 230 2018-19

Free Flow Exhaust

RS16120



Applications: RXT/GTX 300 and 230 2018-19

Approximate Installation Time: 2 hrs.

<u>Recommended Specialty Tools:</u>	<u>Part #</u>
	N/A

<u>Required Materials:</u>	<u>Part #</u>
	N/A

Note: Not for use with Sea-Doo ski pylon. If ski pylon is to be installed use RIVA Free Flow Exhaust RS16140-1

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 *****



COMPONENT LIST

Free Flow Kit, SD RXTX 2018-19 300HP				
	Part #: RS16120	Date: 2/20/18		
	Description	Qty. Req.	RIVA Part #	Notes
A	Aluminum Tube	1	W1-RS16120-T	
B	Silicone Coupler	1	RS15-03/03	Assembled to tube
C	Ziptie, 13" SS Tab	1	TY27MX	
D	Ziptie, 4" SS Tab	1	TY23MX	

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

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- INSTALLATION INSTRUCTIONS -

Remove seats.

Remove access cap (A) and screws (13) at locations shown. **Note: Screws at location B go through the deck and are secured with nuts and washers underneath. Do not drop nuts and washers into hull.** Retain hardware for re-use. (Figure 1)

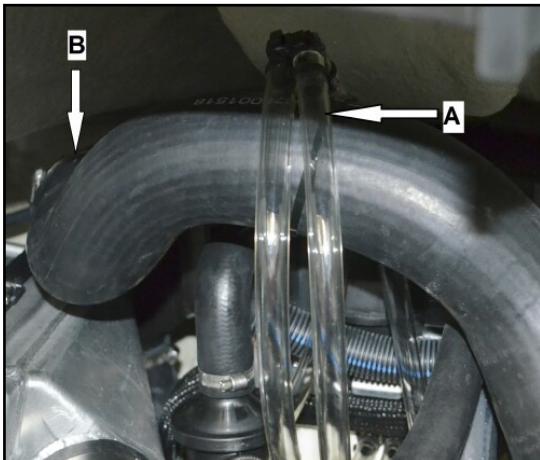
Figure 1



Remove engine compartment access cover. Remove plastic engine cover.

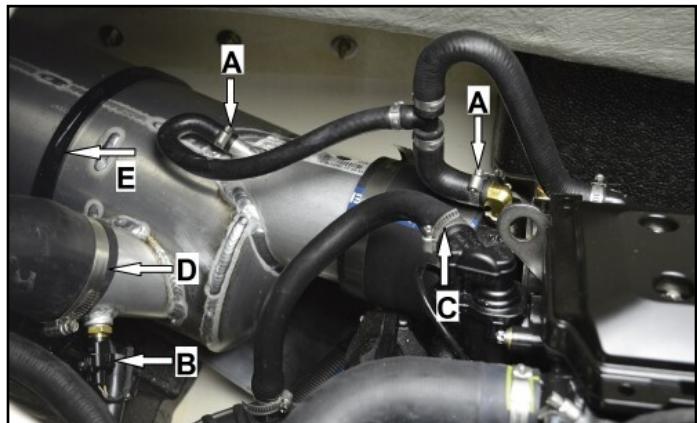
Cut zip tie (A in figure 2) securing siphon bilge hoses to exhaust outlet hose. Loosen clamp on exhaust outlet hose at resonator inlet. (B in figure 2). Disconnect exhaust outlet hose from waterbox (D in figure 3).

Figure 2



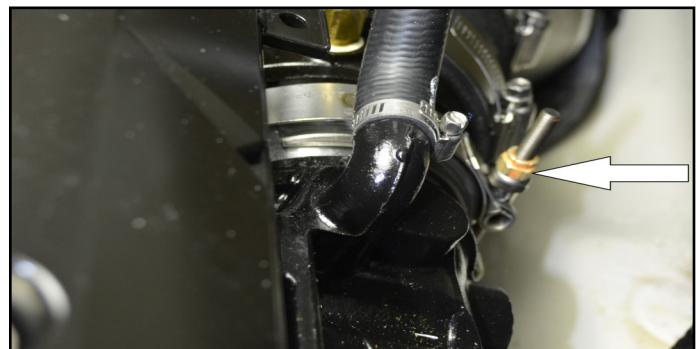
Remove exhaust outlet hose. Retain clamps for reuse during reassembly. Disconnect temp sensor (B). Disconnect waterlines between exhaust manifold and water box (A). Remove rubber strap around waterbox (E). (Figure 3)

Figure 3



At exhaust clamp loosen t-bolt nut enough to allow end ('T') to be removed from band clamp. Remove exhaust clamp. (Figure 4)

Figure 4



Remove water box assembly from hull. **Hint: If installing RIVA Power Filter kit perform exhaust temp sensor relocation at this time.**

Loosen clamp holding resonator to molded outlet hose. (Figure 5)

Figure 5



While twisting side to side pull resonator up and out of molded outlet hose. Remove resonator from craft and discard. Retain hose clamp for use during reassembly.

Reinstall waterbox reversing removal procedure. **Do not tighten clamps and do not install strap yet. Note: Spray hoses and tube with foaming glass cleaner to ease installation**

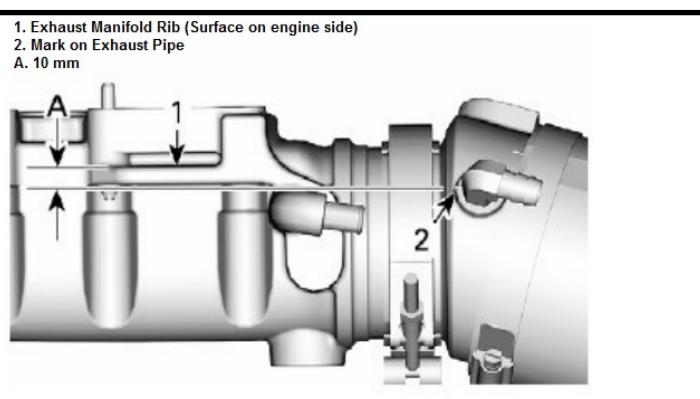
Slip three hose clamps (previously saved) onto supplied Free Flow Exhaust tube. Temporarily tighten just enough to keep them from sliding off. Insert tube into craft, longer end with 90° bend first. Insert longer end with 90° bend into molded outlet hose. Slip coupler on shorter end with 45° bend onto waterbox. Slide hose clamps into place and tighten just enough to keep them in place. **Note: Spray hoses and tube with foaming glass cleaner to ease installation.** (Figure 6)

Figure 6



Align exhaust pipe with exhaust manifold. Note measurements in instruction illustrations. Alignment is critical to prevent exhaust leaks. (Figure 7) Tighten T clamp.

Figure 7



Install waterbox hold down strap and tighten all exhaust hose clamps. **Do not overtighten clamps.** Reconnect temp sensor. Reinstall waterlines previously removed.

Install supplied large zip tie around exhaust tube as in Figure 6. Using smaller supplied zip tie secure siphon bilge hoses to large zip tie as shown. (Figure 8)

Figure 8



Replace parts previously removed to access exhaust. Check bilge for rags, etc.

Run craft on 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 troubleshooting RIVA Performance Products contact:

RIVA Technical Support directly at (954) 247-0705 or by e-mail at tech_support@rivamotorsports.com.

Limited Warranty

RIVA Free Flow Exhaust kits carry a 6 month 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.