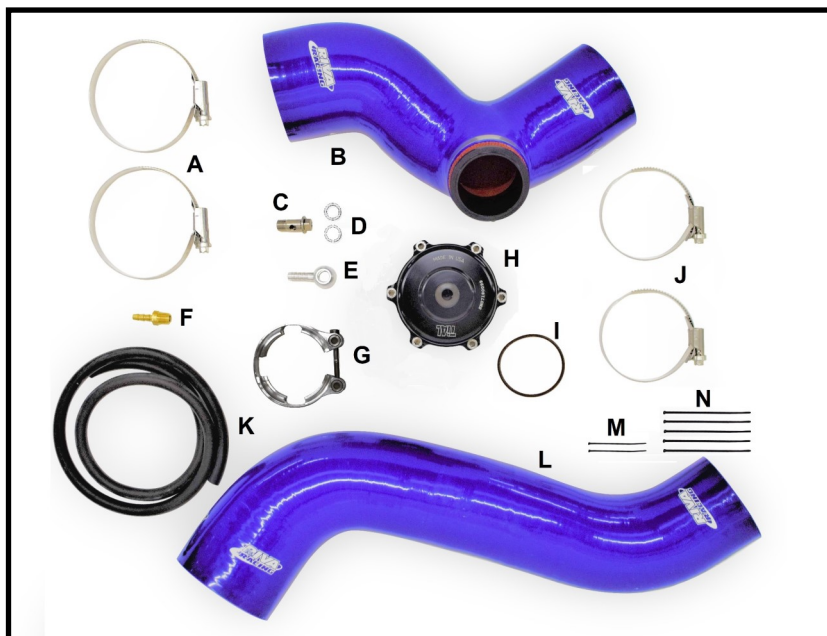




**RIVA RACING**  
PERFORMANCE PRODUCTS & ACCESSORIES

**RIVA SEA-DOO 230/300 INTERCOOLER TUBING UPGRADE  
KIT WITH AND WITHOUT TIAL 50MM BLOW-OFF VALVE**

*PART# - RS17120-TK-TV, RS17120-TK-NV/ RS17190-TK-TV, RS17190-TK-NV*



**Applications:**

RS17120-TK-TV / RS17120-TK-NV Sea-Doo all 230/300 models 2018-2021 except 2021 RXP  
RS17190-TK-TV / RS17190-TK-NV 2021+ RXP Only

**Approximate Installation Time:** 2 HR.

**Recommended Specialty Tools:**

N/A  
N/A

**Part #**

N/A  
N/A

**Required Materials:**

RIVA Intake Manifold Upgrade Kit  
or  
RIVA Vacuum Port Adapter

**Part #**

RS12140-IMUK  
RS12050-VPA

## **RS17120-TK-TV, RS17190-TK-TV**

### **RIVA SEA-DOO 230/300 INTERCOOLER TUBING UPGRADE KIT WITH TIAL 50MM BLOW-OFF VALVE COMPONENT LIST**

<b>Item</b>	<b>Qty</b>	<b>Description</b>	<b>RIVA Part # (17120)</b>	<b>RIVA Part # (17190)</b>	<b>Comments</b>
A	2	Hose Clamp, Non Perf. 70-90MM	53404-0090-052	53404-0090-052	
B	1	Silicone Hose A	RS-17141-A	GT-RS17190-A1	with valve adapter and clamp
C	1	Banjo Bolt			included in BOV kit
D	2	Sealing washer			included in BOV kit
E	1	Banjo Fitting			included in BOV kit
F	1	1/8" NPT Barb Fitting			included in BOV kit
G	1	V Clamp			included in BOV kit
H	1	Q BOV 11 PSI BLK, TIAL VALVE	002573	002573	included in BOV kit
I	1	O Ring			included in BOV kit
J	2	Hose Clamp, Non Perf. 55-75MM	53404-0075-052	53404-0075-052	
K	2 ft	1/4" Vacuum line			included in BOV kit
L	1	Silicone Hose B	RS-17141-B	GT-RS17190-B	
M	2	Small Zip Tie	TY23MX	TY23MX	
N	5	Med Zip Tie		TY24MX	

## **RS17120-TK-NV, RS17190-TK-NV**

### **RIVA SEA-DOO 230/300 INTERCOOLER TUBING UPGRADE KIT WITHOUT BLOW-OFF VALVE COMPONENT LIST**

<b>Item</b>	<b>Qty</b>	<b>Description</b>	<b>RIVA Part # (17120)</b>	<b>RIVA Part # (17190)</b>	<b>Comments</b>
A	2	Hose Clamp, Non Perf. 70-90MM	53404-0090-052	53404-0090-052	
B	1	Silicone Hose A	RS-17141-A	GT-RS17190-A1	with valve adapter and clamp
L	1	Silicone Hose B	RS-17141-B	GT-RS17190-B	

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 \*\*\***

**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 -

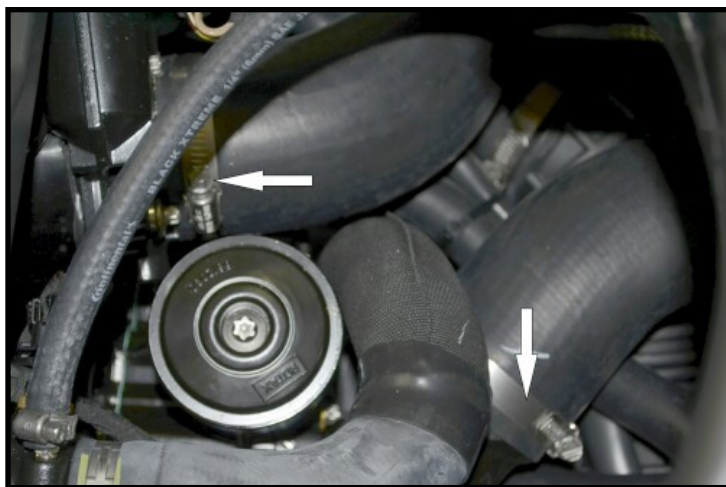
Remove seat(s) and bodywork necessary to access rear of engine compartment.

Loosen clamps at both ends of OEM intercooler hoses and remove hoses. (Figures 1 and 2)

Figure 1



Figure 2



If necessary, intercooler hold down straps (2) may be removed to allow intercooler to move for easier installation. Be sure to reinstall straps after installing supplied tubes.

Note that supplied intercooler tubes are tapered with a larger end and a smaller end. The larger ends of the tubes are to be installed on the intercooler. Slip supplied clamps onto tubes with smaller clamps toward smaller ends of tubes and larger clamps toward larger ends.

Install longer tube onto throttle body and intercooler. Install shorter tube onto supercharger and intercooler. **Note: Lubricate inside of tubes and outside of fittings with foaming glass cleaner to ease installation.** Slide clamps into position and tighten. **Do not over-tighten clamps.** (Figure 3)

Figure 3



Remove screw in supplied V clamp (included in BOV Kit) and slip onto BOV adaptor in Tube A. Place supplied o-ring (included in BOV Kit) onto BOV adaptor. Place supplied TIAL BOV onto adaptor and secure by tightening screw in V clamp. **Note: Be sure o-ring is properly centered on adaptor. Do not over tighten clamp.** (Figure 4)

Figure 4



Install supplied banjo fitting, banjo bolt, and sealing washers onto top of TIAL blow-off valve.

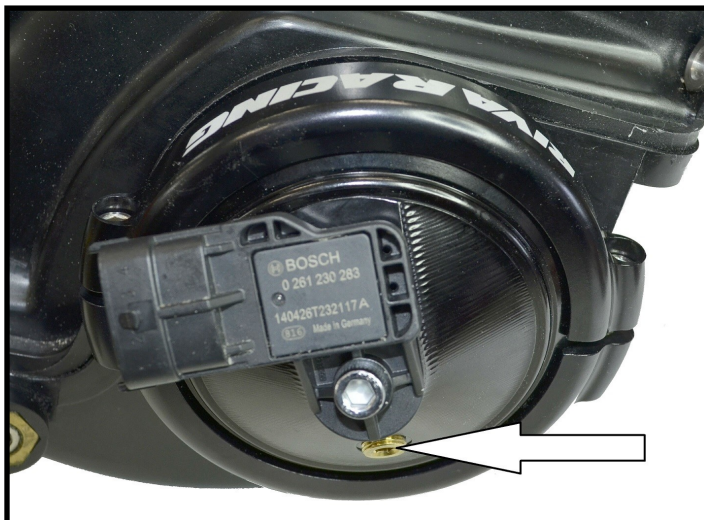
Installation of this kit requires that the craft be equipped with either a RIVA Intake Manifold Upgrade Kit RS12140-IMUK or RIVA Vacuum Port Adapter RS12050-VPA.



Remove plastic engine cover.

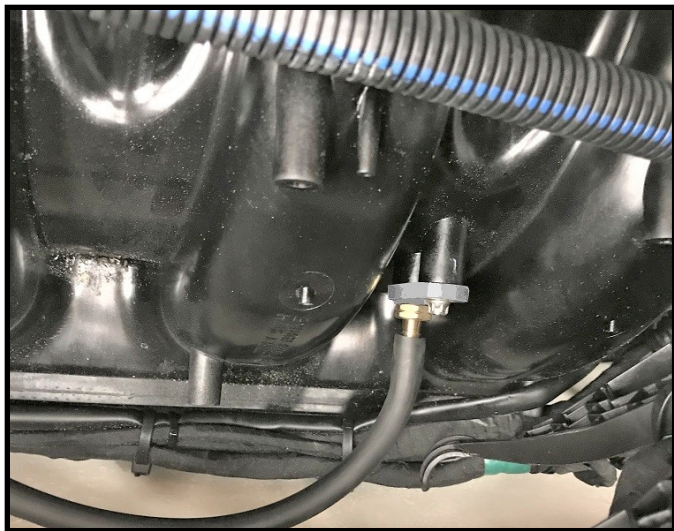
If craft is equipped with a RIVA Intake Manifold Upgrade Kit, remove brass plug and install supplied 1/8" barbed fitting into drilled and tapped opening on IMUK cover plate. **Note: Use thread sealer on threads of fitting.** (Figure 5)

Figure 5



If ski is equipped with RIVA RS12050-VPA Vacuum Port Adapter, Install supplied 1/8" NPT barb fitting into Vacuum Port Adapter. **Note: Use thread sealer on threads of fitting.** (Figure 6)

Figure 6



Using supplied vacuum line connect barbed fitting on manifold with barbed fitting on TIAL blow-off valve. Secure at both ends with supplied small zip ties (2).

Reinstall ECU and secure harness with supplied medium zip ties (5)

Check bilge for rags, tools etc. Run craft on a flush hose to check for proper operation.

Replace engine cover, bodywork and 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@rivamotorsports.com](mailto:tech_support@rivamotorsports.com).

#### **Limited Warranty**

RIVA Silicone Intercooler Tubes 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.