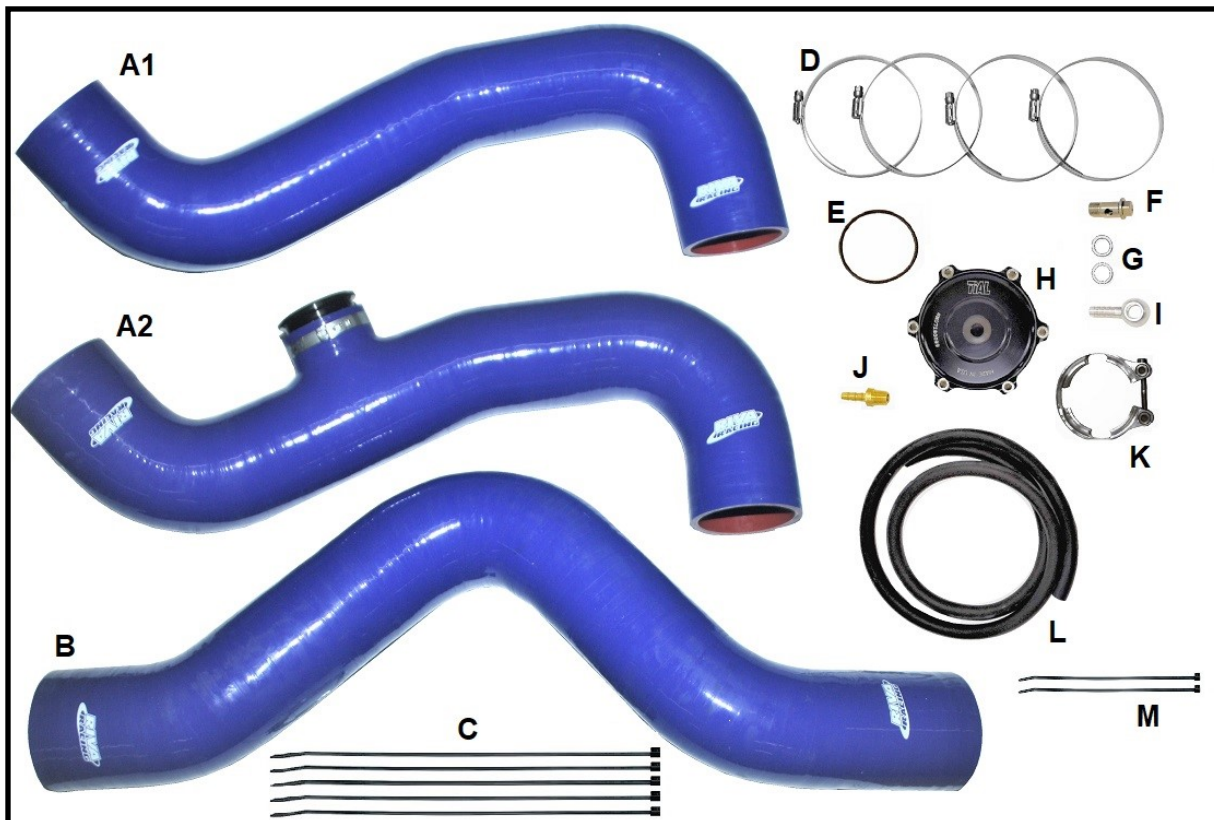




INTERCOOLER TUBE UPGRADE KIT

RS17090-TK-1 / RS17090-TK-TV



Note:

Illustration shows components for both kits. Neither kit contains all of these parts.

See component parts lists on page two for actual kit contents.

Applications: Sea-Doo RXP 260, RXT 260, GTX260, Sea-Doo RXP-X 260 and RXT-X 260 using OEM or RIVA 'GEN-3' Power Cooler (part# RS1752-PC). GTR215 With RIVA Power Cooler Installation Kit (RS1752 PCIK-GTR) and Gen 3 Power Cooler (RS1752-PC-I)

Approximate Installation Time: Without Blow-Off Valve 1.5 Hr. With Blow Off Valve 2.0 Hr.

Recommended Specialty Tools:

N/A

Part #

Required Materials:

RIVA Intake Manifold Upgrade Kit

RIVA Power Cooler Installation Kit

Part #

RS12080-IMUK

RS1752-PCIK-GTR (GTR 215 only)

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 *****



RS17090-TK-1 COMPONENT LIST

	Qty.	PART NUMBER	DESCRIPTION	Comments
A1	1	GT-RS17090-A	TUBE A	
B	1	GT-RS17090-B	TUBE B	
C	2	TY26MX	ZIP TIE 11"	
D	4	53404-0075-052	HOSE CLAMP NON-PERF 55-75 MM	

RS17090-TK-TV COMPONENT LIST

	Qty.	PART NUMBER	DESCRIPTION	Comments
A2	1	GT-RS17090-AB	TUBE A	
B	1	GT-RS17090-B	TUBE B	
C	5	TY26MX	ZIP TIE 11"	
D	4	53404-0075-052	HOSE CLAMP NON-PERF 55-75 MM	
E	1		O-RING	In TIAL Valve Kit
F	1		BANJO BOLT	In TIAL Valve Kit
G	2		SEALING WASHER	In TIAL Valve Kit
H	1	002573	Q BOV 11 PSI BLK, TIAL VALVE (KIT)	In TIAL Valve Kit
I	1		BANJO FITTING BARBED	In TIAL Valve Kit
J	1	220C	1/8" NPT BARB FITTING	
K	1		V CLAMP	In TIAL Valve Kit
L	2 Ft.	27043-1	VACUUM HOSE, (7/32")	
M	2	TY23MX	ZIP TIE 3"	

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 -

Requires RIVA Intake Manifold Upgrade RS12080-IMUK . If not equipped install IMUK per instructions in that kit before proceeding.

RXT and GTX Suspension models:

Remove moving deck. Refer to OEM Service Manual.

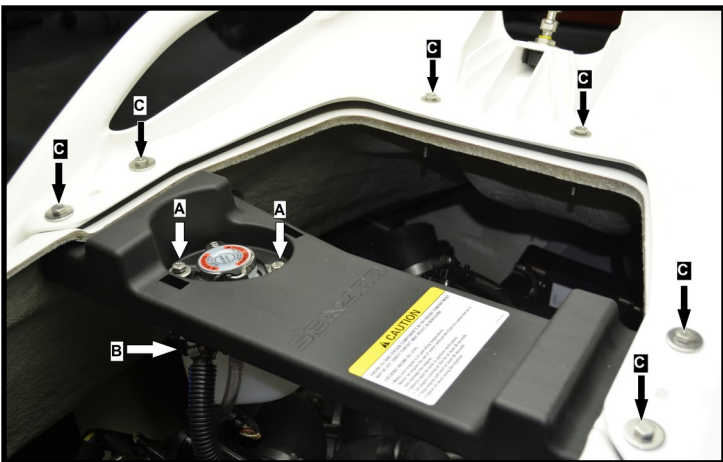
RXT and GTX Fixed deck models

Open seat.

Remove (2) bolts holding coolant reservoir to deck beam (A). Pull out on retaining tabs (B) and lower the coolant reservoir away from its mounting location. Lay the reservoir to the starboard side to provide better access to the exhaust.

Remove (4) deck beam bolts and (2) grab rail bolts (C), nuts and washers. Caution: Do not drop nuts and washers into hull. Remove deck beam and grab rail assembly. (Figure 1)

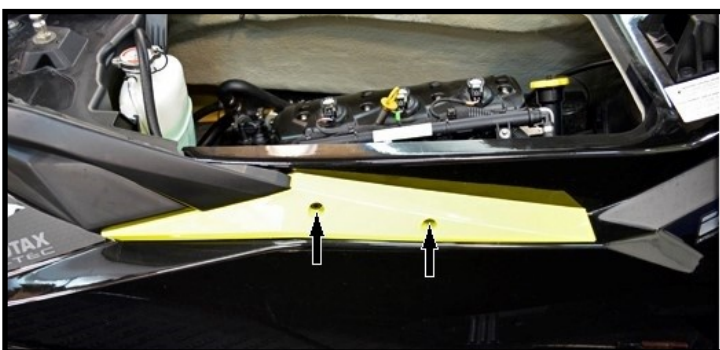
Figure 1



RXP-X

Remove seat. Remove the (2) bolts on each side holding the side panels in place and remove the side panels. (Figure 2)

Figure 2



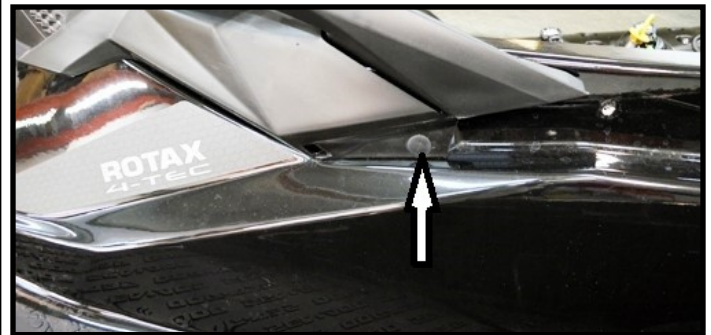
Remove (2) screws (A) and 2 plastic rivets (B) holding vent cover to rear grab handle and remove vent cover (Figure 3).

Figure 3



Remove (2) plastic rivets under side panels removed previously (Figure 4)

Figure 4



Press the locking tabs (A) on the coolant reservoir towards the reservoir body and lift the reservoir out of its mounting location. Lay the reservoir to the starboard side to provide better access to the exhaust.

Remove (6) bolts (B), nuts and washers holding rear grab rail in place and remove grab rail. Caution: Do not drop nuts and washers into hull. (Figure 5)

Figure 5

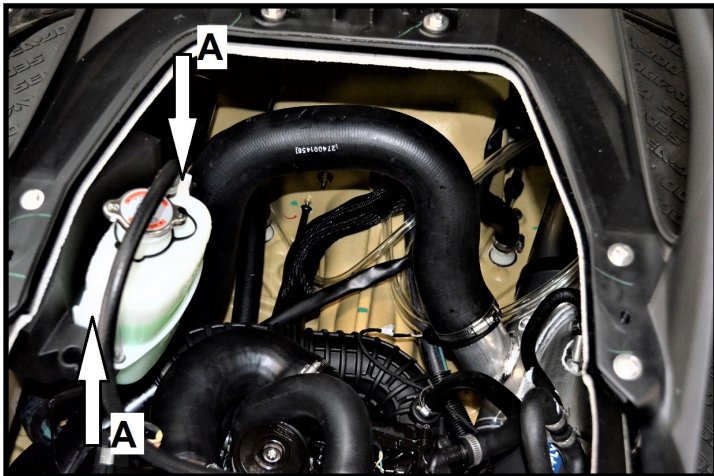


- INSTALLATION INSTRUCTIONS -

GTR 215 With RIVA Power Cooler Installation Kit (RS1752 PCIK-GTR) and Gen 3 Power Cooler (RS1752-PC-I)

Press the locking tabs (A) on the coolant reservoir towards the reservoir body and lift the reservoir out of its mounting location. Lay the reservoir to the starboard side to provide better access to the exhaust. (Figure 6)

Figure 6

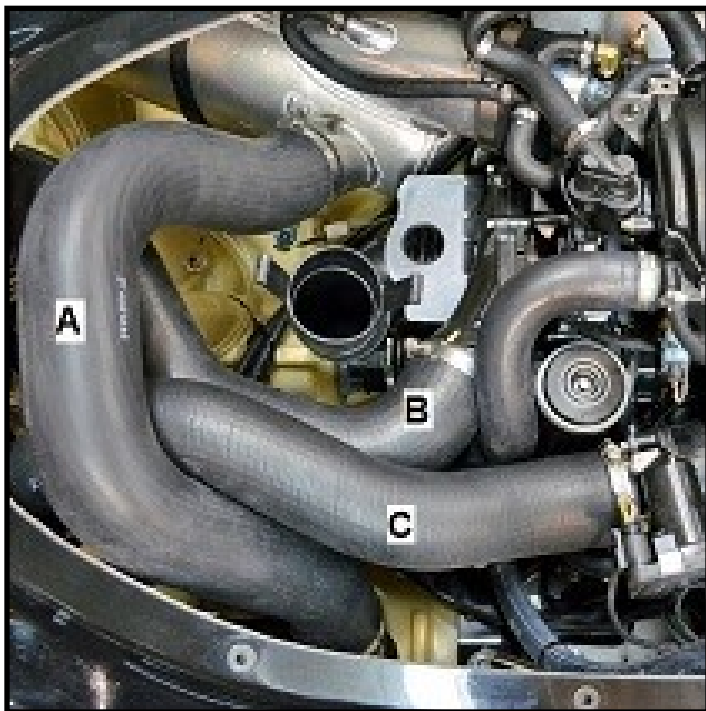


All Models

Remove exhaust hose (A). Save hose and clamps for re-installation.

Remove supercharger to intercooler hose (B) and Intercooler to throttle body hose (C) (Figure 7)

Figure 7



For RS17090-TK-TV (With TIAL BOV) Only

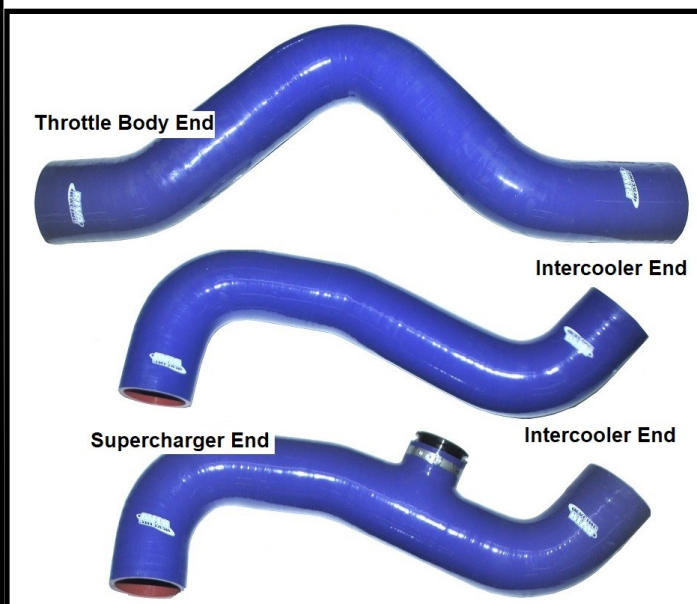
Remove screw in supplied V clamp (included in BOV Kit) and slip onto BOV adaptor in Tube A. Place supplied o-ring (included in BOV Kit) onto BOV adaptor. Place supplied TIAL BOV onto adaptor and secure by tightening screw in V clamp. **Note: Be sure o-ring is properly centered on adaptor. Do not over tighten clamp.** (Figure 8)

Figure 8



Install supplied banjo fitting, banjo bolt, and sealing washers and hose onto top of TIAL blow-off valve. Secure hose with (1) supplied small zip tie.

Figure 9



- INSTALLATION INSTRUCTIONS -

Slip supplied hose clamps onto tube A. Install onto inter-cooler and supercharger. **Note: Lubricate inside of tubes and outside of fittings with foaming glass cleaner to ease installation.** Slide clamps into position and tighten just enough to keep clamps in place. Repeat with tube B installing onto intercooler and throttle body. (Figure 10)

Figure 10



Note: Figure 10 shows only one possible configuration of hose installation. Test fit Intercooler hoses, intake and exhaust to find the best configuration for your combination of components.

Once the best fit has been determined, tighten hose clamps. **Do not over tighten clamps.**

Re-install exhaust. **Do not over tighten clamps.**

Using 2 supplied 11" zip ties, fasten siphon bilge hoses in upright position. (Figure 11)

Figure 11



Note: Siphon bilge hoses must be fastened in upright position or water may backflow into the hull when engine is not running.

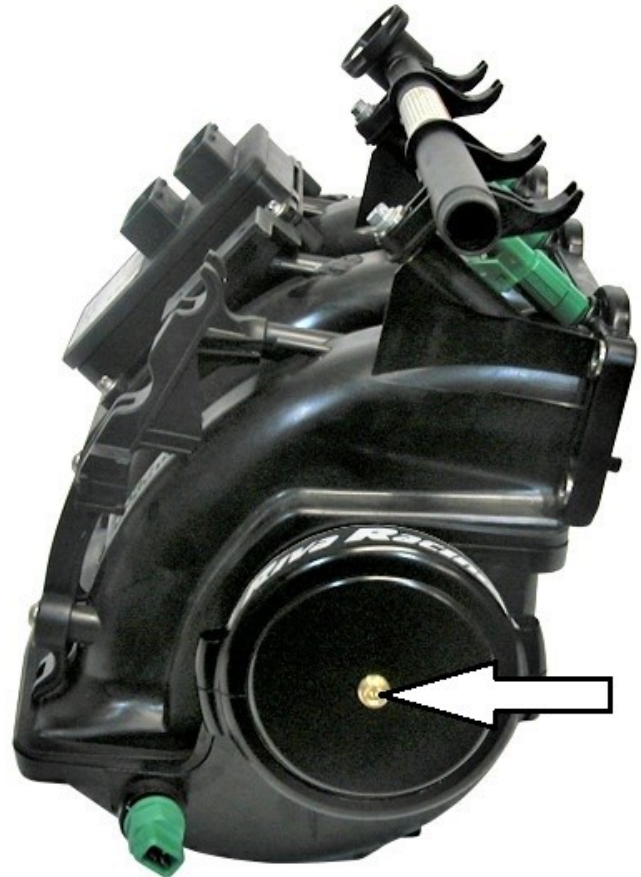
For RS17090-TK-TV (With TIAL BOV) Only

Installation of this kit requires that the craft be equipped with RIVA Intake Manifold Upgrade Kit RS12080-IMUK.

Remove plastic engine cover.

Remove brass plug from IMUK. Install supplied 1/8" barbed fitting into drilled and tapped opening on IMUK cover plate. **Note: Use thread sealer on threads of fitting.** (Figure 12)

Figure 12



Install end of vacuum line from blow off valve onto barbed fitting and secure with remaining (1) supplied 3" zip tie.

Secure vacuum hose between blow off valve and manifold using remaining (3) supplied 11" zip ties.

Replace parts previously removed to access intercooler tubes. Check bilge for rags, etc. Run craft on flush hose to check for proper operation.

- INSTALLATION INSTRUCTIONS -

***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 Intercooler Tube Kits 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.

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