



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

Free Flow Exhaust Kit

PART# - RK16090-08

APPLICATION(S): 2008 Kawasaki Ultra 250X

NOTE: Installation of this kit requires RIVA Pro-Series Water Box (part# RK16091) as referenced in these instructions.

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 clamps, hoses and hardware removed in the disassembly process will be used in the installation process. These instructions have been written in point form and refer to illustrations. Please follow these step-by-step instructions and illustrations carefully.

***** Allow craft's engine to cool thoroughly before performing installation. *****

- INSTALLATION INSTRUCTIONS -

1. Remove seats. Remove rear storage tray. (see illustration #1) **TIP:** Cover the four studs for storage tray with several pieces of tape to prevent injury while performing work.
2. Remove bolts securing oil catch can to intercooler. (see illustration #2) Remove hoses attached to catch can and remove catch can from engine compartment.
3. Disconnect waterline secured to top of intercooler. Disconnect intercooler air inlet hose. (see illustration #2)
4. Disconnect primary bypass valve and over-boost bypass valve from intercooler. (see illustration #3) Disconnect intercooler inlet temperature sensor connector.
5. Disconnect intercooler air outlet hose. (see illustration #3)
6. Disconnect waterline secured to bottom center section of intercooler. (see illustration #4) Remove the two bolts securing intercooler to hull.
7. Carefully slide intercooler towards exhaust until tab at rear on opposite side clears securing bracket. (see illustration #5) Remove second waterline secured to bottom of intercooler (under intercooler air outlet).
8. Remove intercooler by rotating air outlet side upward while lifting.
9. Remove exhaust hose between stock water box (muffler) and exhaust outlet tube. (see illustration #6)
10. At rear of craft remove exhaust outlet cover and exhaust outlet tube. Retain the four stock socket head cap bolts and washers.
11. Inside craft at engine remove the four M10 bolts securing exhaust tail pipe to exhaust pipe. (see illustration #7)
12. Loosen clamps securing coupler between exhaust tail pipe and water box. (see illustration #7) Remove exhaust tail pipe from muffler and set aside.
13. Disconnect hose from fitting at front of water box. (see illustration #8) Remove water box. Retain silicone coupler.
14. Remove fitting from front of stock water box. Install into supplied water box. **NOTE: Apply pipe thread sealant to fitting threads. Do not over tighten fitting.**
15. Install stock silicone coupler and one supplied silicone coupler onto supplied water box. **NOTE: Apply generous amount of glass cleaner to inside of couplers before installing.**
16. Install water box in hull and secure. Install and secure waterline to fitting at front of water box. Loosely install stock clamps onto water box inlet and two of the supplied clamps onto water box outlet. (see illustration #9)
17. Thoroughly clean exhaust tail pipe with a non-residual cleaner. Insert exhaust tail pipe into water box coupler. Align with exhaust pipe and exhaust gasket and secure with stock M10 bolts. **NOTE: Torque bolts to 35 N•m (3.6 kgf•m / 26 lbf•ft).**
18. Check alignment of water box at coupler between exhaust tail pipe and water box inlet. Tighten clamps securing coupler.
19. Install remaining supplied silicone coupler onto end of supplied billet exhaust outlet. Secure using supplied hose clamp. (see illustration #10)

20. Install exhaust outlet into hull and secure using stock hardware. (see illustration #11 & 12) **NOTE: Be sure rubber gasket is in place between flange and hull. Do not apply sealant to gasket. Apply blue Loc-tite to bolts. Do not over tighten bolts.**
21. Inside hull loosely install remaining supplied hose clamp onto exhaust outlet. Liberally apply glass cleaner to both ends of supplied aluminum exhaust tube. Install between water box and exhaust outlet. (see illustration #13 & 14)
22. Replace items removed in steps 1~8 in reverse order. **NOTE: Use blue Loc-tite on bolts securing intercooler to hull. Do not over tighten bolts. Do not over tighten clamps.**
23. Installation is now complete. Thoroughly inspect engine compartment and bilge for tools, rags, parts, etc. Run craft on stand using flush kit to check for proper operation.

Remember, the water belongs to everyone. Please ride responsibly!

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 Free Flow Exhaust 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.

- INSTALLATION IMAGES -



Illustration #1

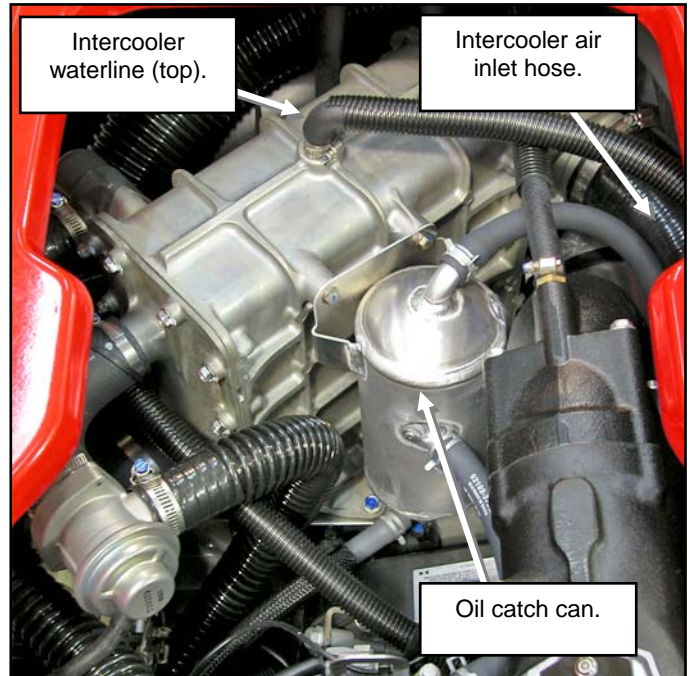


Illustration #2

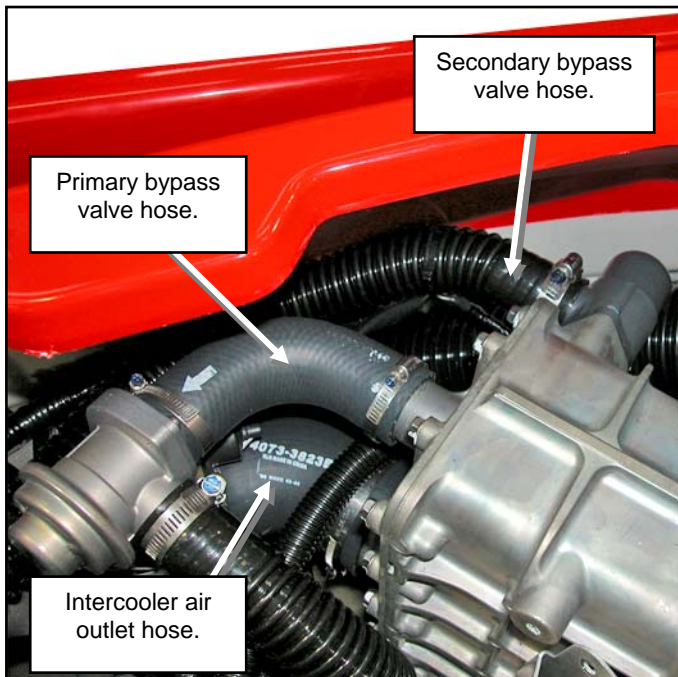


Illustration #3

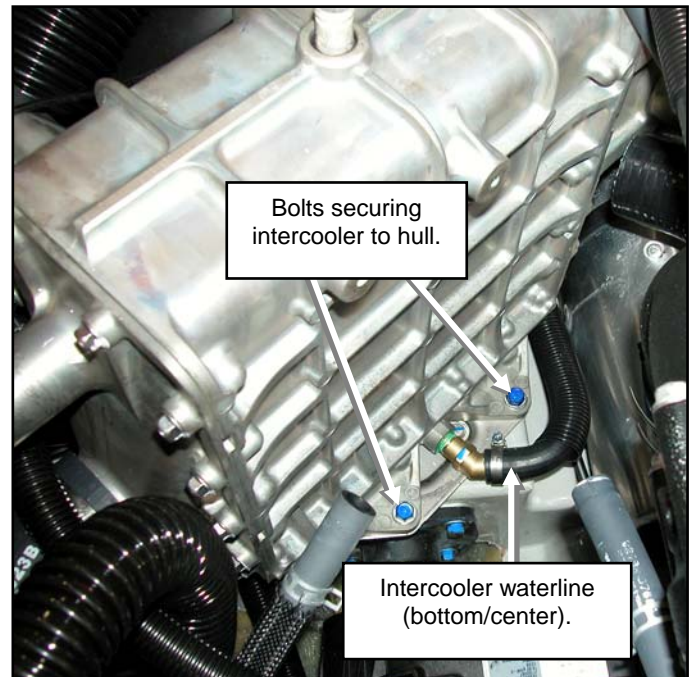


Illustration #4

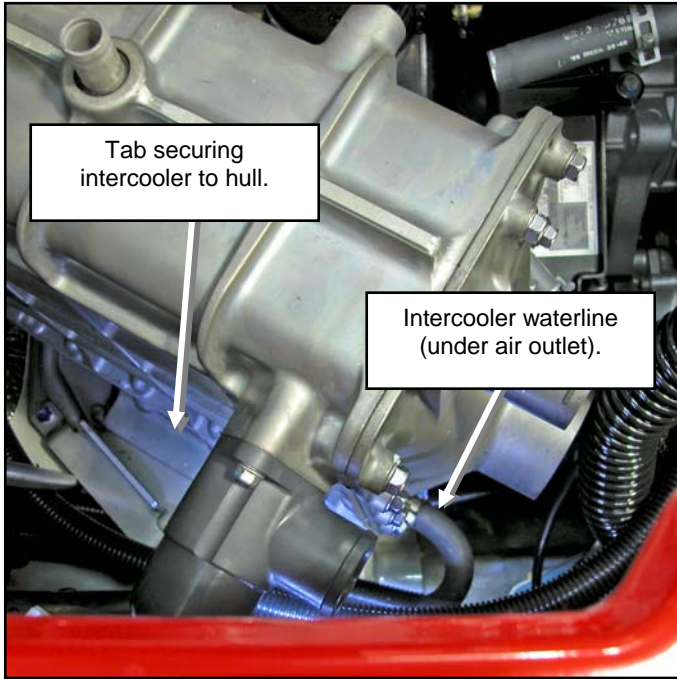


Illustration #5

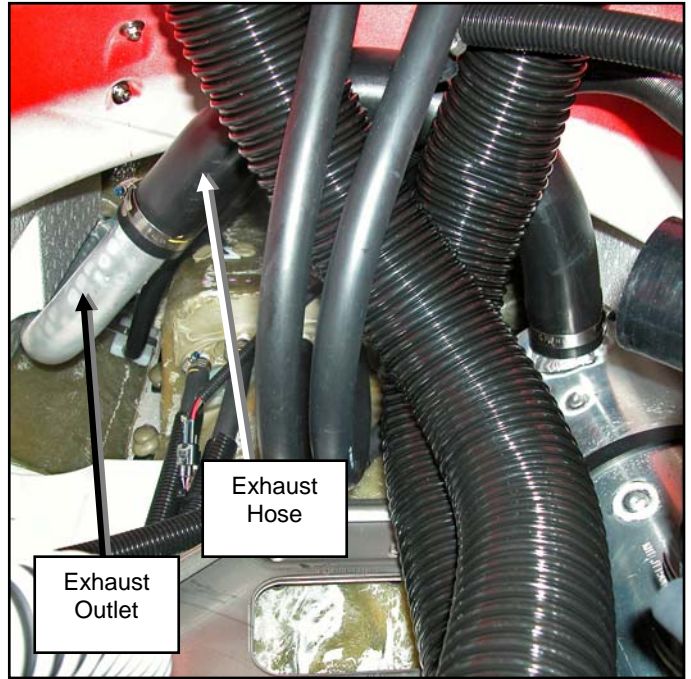


Illustration #6

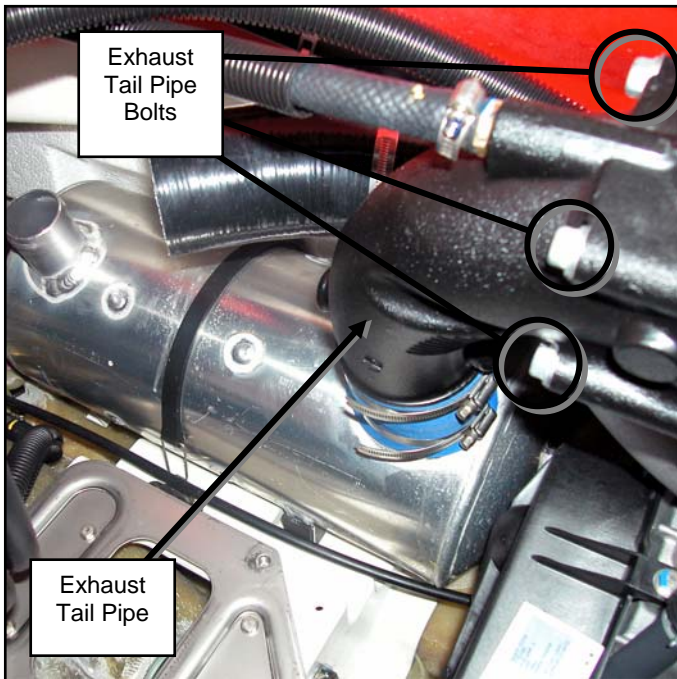


Illustration #7

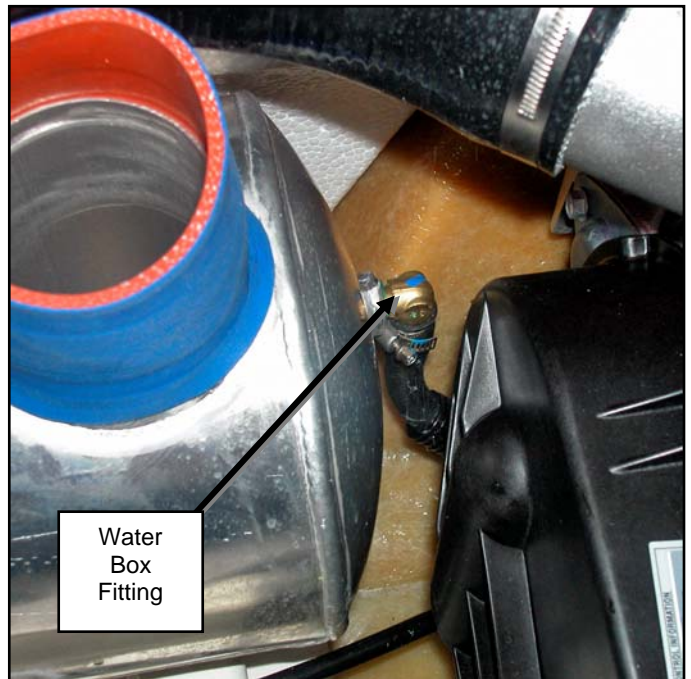


Illustration #8



Illustration #9



Illustration #10



Illustration #11



Illustration #12

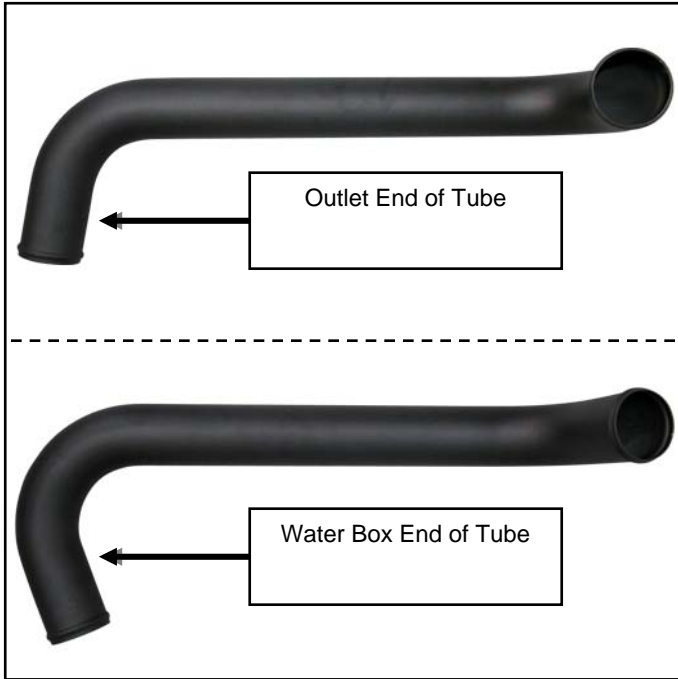


Illustration #13

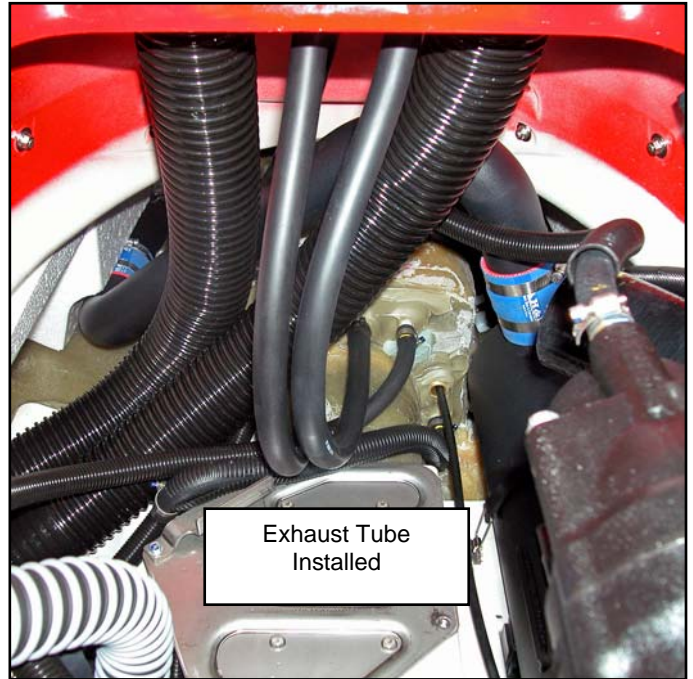


Illustration #14