



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

Performance Power Filter Kit

PART# - RK13090

APPLICATION(S): Kawasaki Ultra 250X

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 read through these step-by-step instructions entirely before beginning.

NOTE: NO SMOKING. Allow craft's engine to cool thoroughly before performing installation.

INSTALLATION INSTRUCTIONS

1. Inside front storage compartment remove storage tray. At upper inspection hatch cover press center of each pin inward. (see illustration #1) Remove inspection hatch cover.
2. Remove ECU bracket. (see illustration #2) Disconnect all wiring connectors and remove.
3. Carefully move wiring harness out of the way. Push air inlet hoses aside. **NOTE:** It may be necessary to cut zip tie securing hoses together.
4. At engine compartment under glove box remove and discard left bolt securing seat bracket to hull. (see illustration #3)
5. Inside engine compartment disconnect and remove bypass hoses (2), valve cover breather hose, catch can hose and drain hose from OE air box. (see illustration #4) Loosen clamp securing supercharger inlet hose to OE air box.
6. At backside of handlebar pad (tilt lever area) look down between steering column and glove box lid. Locate and remove the two hex head bolts on hull between steering column and glove box. (see illustration #5) These secure the OE air box bracket to hull.
7. At front storage compartment reach through inspection hatch and remove the two bolts securing bracket to air box. (see illustration #6) Remove bracket and discard.
8. At front storage compartment reach through inspection hatch and remove rubber horn from air box inlet and discard.
9. Disconnect fuel filler hose from fuel tank.
10. Remove OE air box through front inspection hatch opening and discard. **NOTE: BE PATIENT!!! This process requires careful maneuvering to remove. Be careful not to damage OE fuel sender.**
11. Replace and secure fuel filler hose immediately.
12. Inside engine compartment follow supercharger inlet hose under exhaust and back to supercharger inlet. Locate and remove clamp securing the stock inlet hose to supercharger inlet. Remove and discard hose. Retain clamps.
13. Thoroughly clean outside of supercharger inlet, inside of supplied reduction coupler and OE clamps with a non-residual cleaner. Place one OE clamp loosely around supercharger inlet.
14. Apply glass cleaner to inside of supplied reduction coupler. Install smaller end onto supercharger inlet completely. There are tabs on supercharger inlet that end of coupler will butt up against when installed completely. Secure coupler with OE clamp. **NOTE: Do not over tighten clamp.**
15. Insert Power Filter Tube into hull through front storage compartment. **NOTE:** End of tube with the two bolt locations faces forward and up.
16. At front of engine place second OE clamp loosely around end of Power Filter Tube. Insert tube into supercharger inlet coupler completely. **NOTE: Do not secure clamp at this time.**
17. Loosely install supplied aluminum bracket onto Power Filter Tube using the two supplied M5 bolts, lock washers and flat washers. (see illustration #7) **NOTE: Apply blue Loc-tite to bolts. Do not tighten bolts at this time.**
18. Replace OE seat bracket bolt with supplied M6x30 hex head bolt and secure. (see illustration #8) **NOTE: Apply blue Loc-tite to bolt. Do not over tighten bolt.**
19. Slide top of Power Filter Tube Bracket up onto left seat bracket bolt (like a stud). Secure using supplied M6 nylock nut and fender washer. (see illustration #7)

20. Tighten bolts securing Power Filter Tube to bracket. **NOTE: Do not over tighten bolts.**
21. Tighten clamp securing Power Filter Tube to supercharger inlet coupler. **NOTE: Do not over tighten clamp.**
22. Install supplied Pre-filter onto supplied Power Filter. Install Power Filter onto inlet end of Power Filter Tube. **NOTE: Do not over tighten clamp.**
23. Inside engine compartment install bypass hoses (2) onto Y-fitting on right side of Power Filter Tube and secure. (see illustration #9) **TIP:** It may be necessary to soften ends of hoses before installing onto fittings. Do so by soaking in hot water. **NOTE: Do not over tighten clamps.**
24. Install catch can breather hose onto small fitting in front of Y-fitting on Power Filter Tube and secure using OE spring clamp. (see illustration #9)
25. On top of engine remove and discard breather hose connected to T-fitting at valve cover breathers. Install supplied small filter onto T-fitting. (see illustration #10) **NOTE: Do not over tighten clamp.**
26. Inside front storage compartment reconnect wiring harness connectors to electrical connectors on ECU mounting plate.
27. Replace ECU mounting plate. **NOTE:** From backside of each push rivet press center pin out so it protrudes from head. Insert push rivet into appropriate hole and push center in until flush with head. (see illustration #11)
28. Replace storage compartment inspection hatch cover.
29. Installation is now complete!

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 Power Filter Kits carry a one-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 must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.

INSTALLATION IMAGES

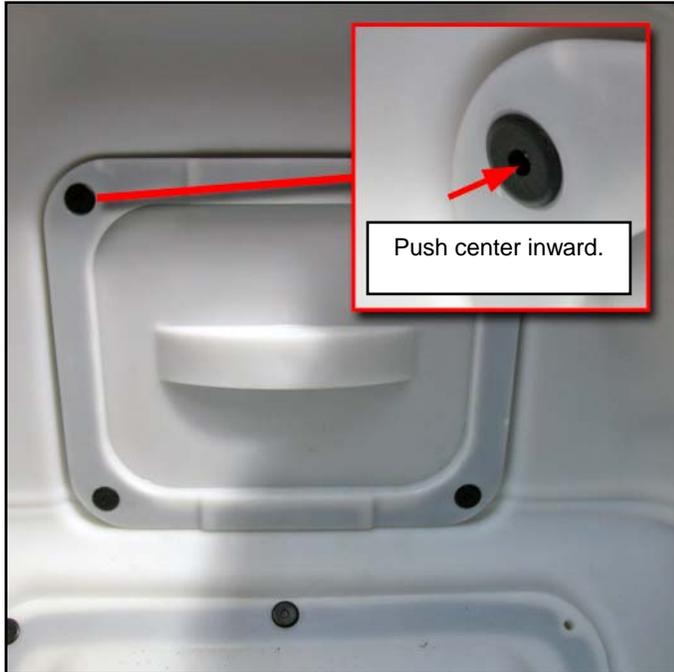


Illustration #1

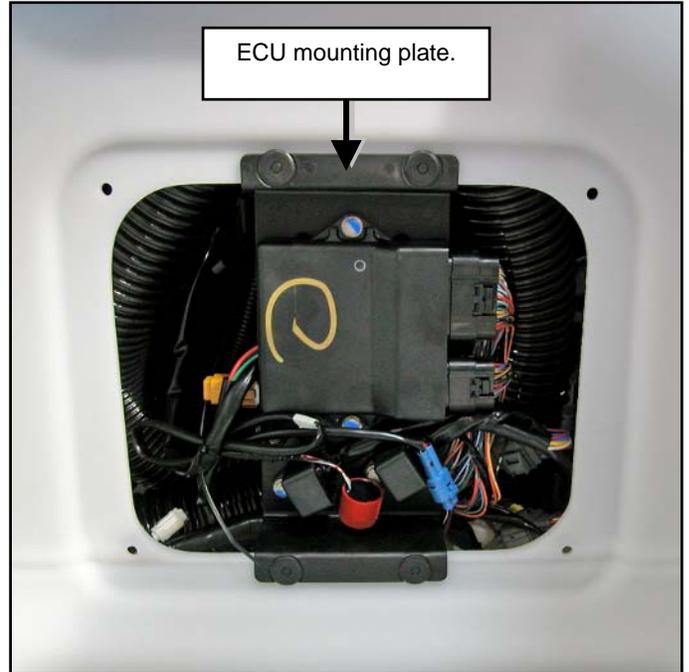


Illustration #2

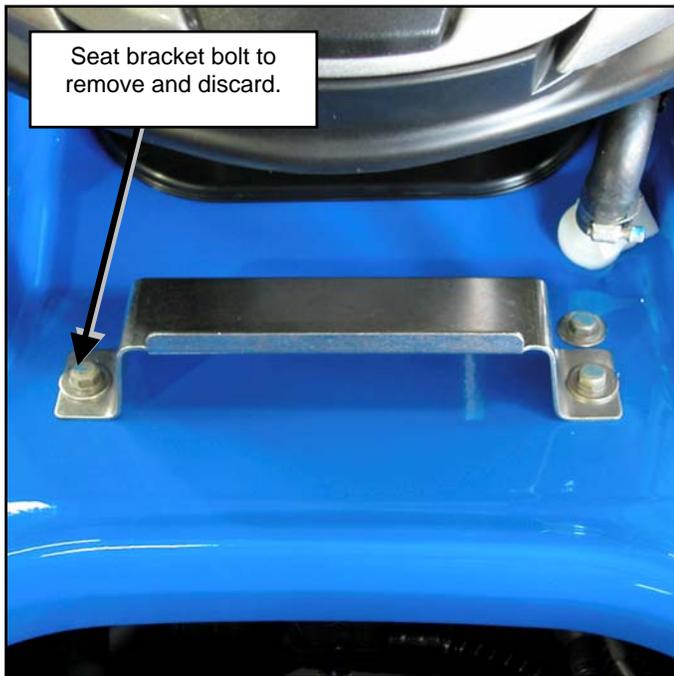


Illustration #3

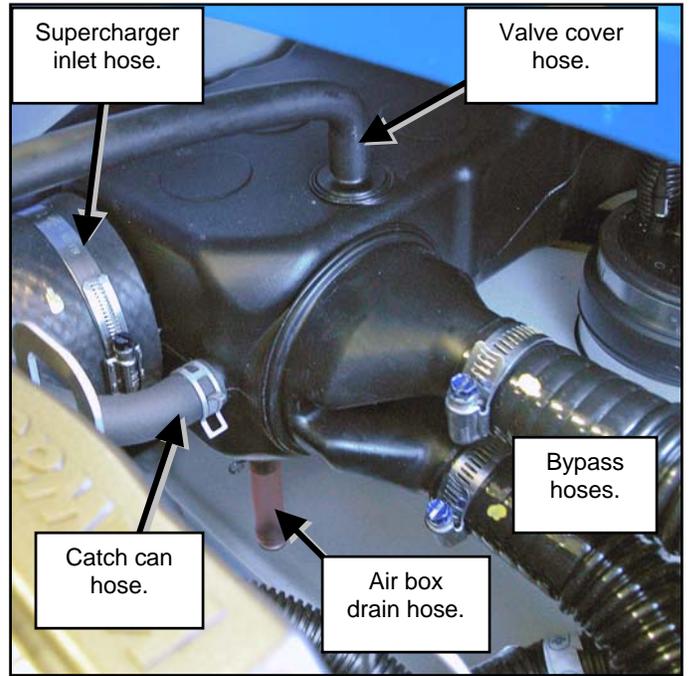


Illustration #4

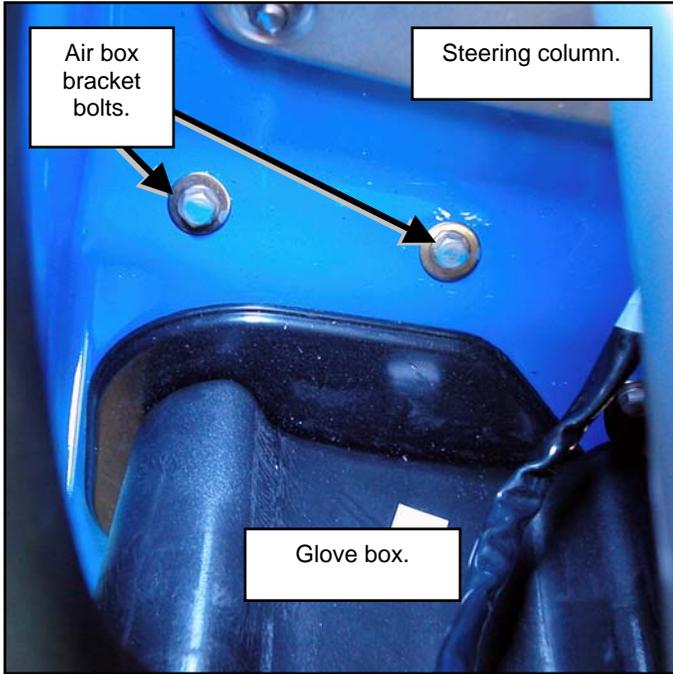


Illustration #5

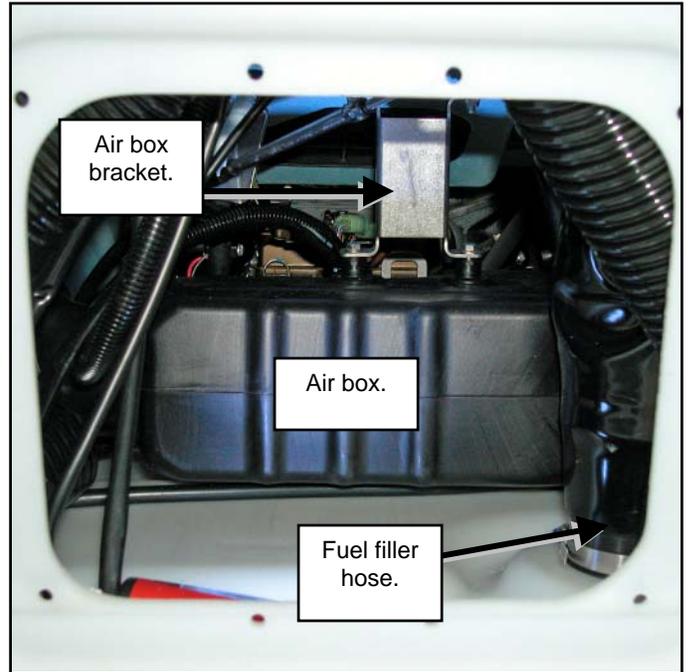


Illustration #6

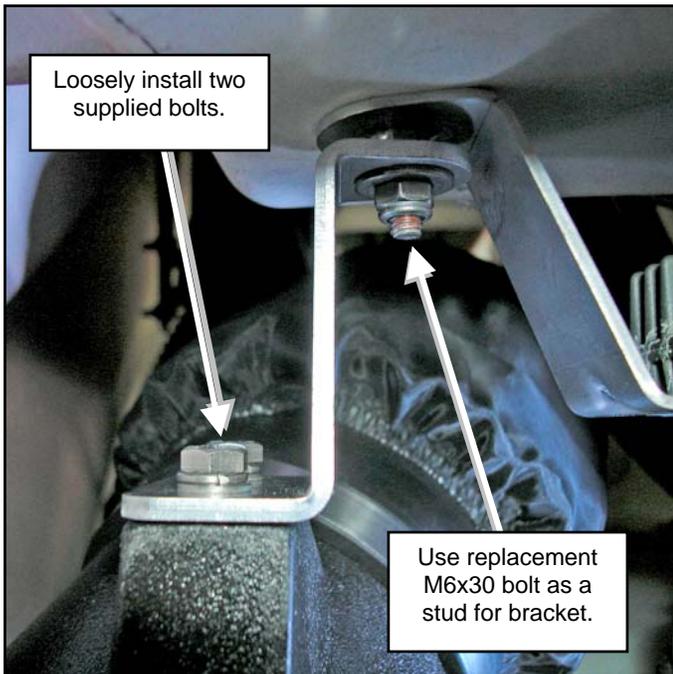


Illustration #7



Illustration #8

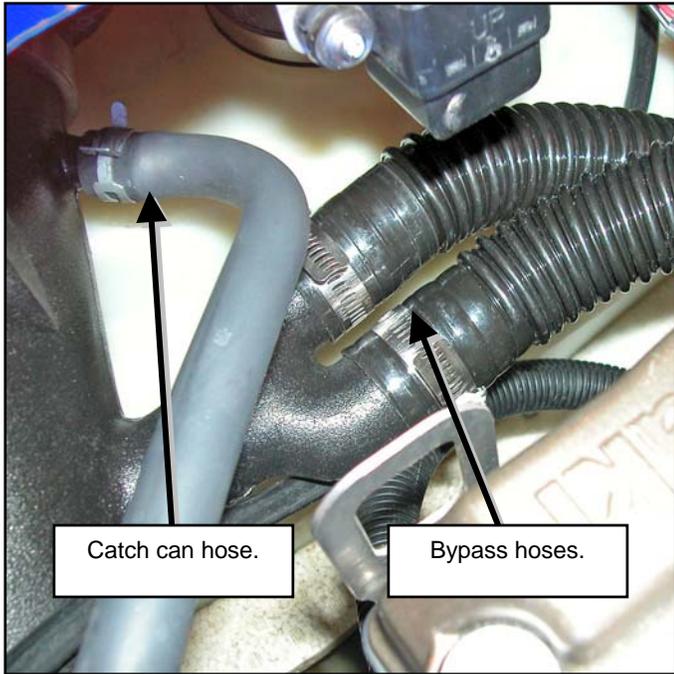


Illustration #9

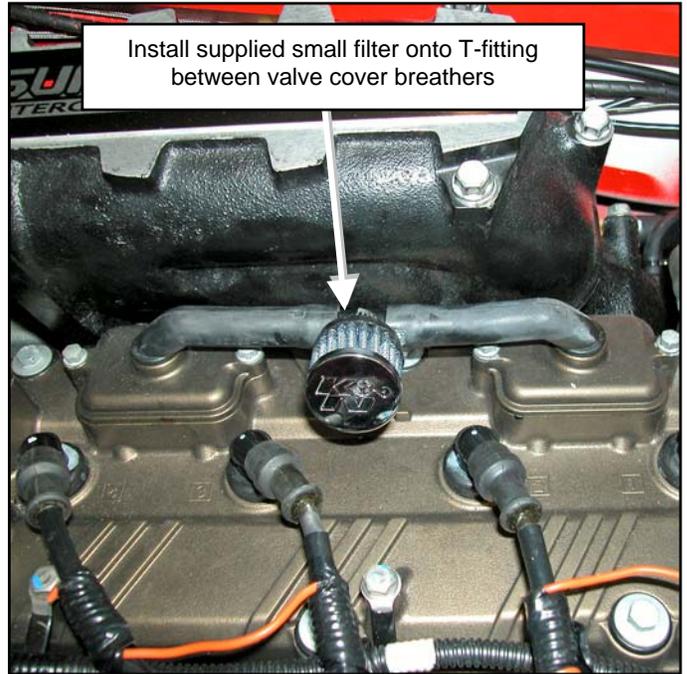


Illustration #10



Illustration #11