



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

Pro-Series Power Filter Kit

PART# - RK13096

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 instructions entirely before beginning.

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

INSTALLATION INSTRUCTIONS

1. Remove glove box lid by opening completely and lifting up.
2. At backside of steering pad cover remove four socket head cap bolts securing it in place. (see illustration #1)
3. Remove start/stop switch and throttle trigger. (see illustration #2)
4. Remove handlebars. (see illustration #2)
5. On each side of hood cowling remove the two hex head bolts and one cap nut. (see illustration #3) Remove hood cowlings. **Replace fuel filler cap.**

Steps 7~12 outline OE glove box modification. Do not attempt to do this in one step. Wear eye protection. Cover engine compartment.

6. Inside glove box measure and mark first cut line. (see illustration #6) Front will measure 4" down from upper edge. Sides and back will measure 3" down from upper edge.
7. From inside of glove box cut bottom off at first measurement using a cut-off wheel (EG – Dremmel Tool).
8. Remove the six cap nuts and washers securing steering cover to hull. (see illustration's #4 & 5)
9. On left side of steering cover disconnect reverse cable and remove fuel filler cap. (see illustration #4) Lift steering cover up and flip over. **Replace fuel filler cap.**
10. From topside of steering cover insert supplied glove box tray. At underside mark second cut line (finish cut). (see illustration #7)
11. Cut at second cut line. File/sand edge to remove any excess plastic left from cutting. (see illustration #8)
12. Apply silicone to underside edge of glove box tray. (see illustration #9) Install into steering cover from top. Replace lid and close while silicone dries. (see illustration #10)
13. Remove and discard plastic cover from hull between steering column and seat bracket (under glove box).
14. Inside front storage compartment remove storage tray. At upper inspection cover press center of each pin inward. (see illustration #11) Remove inspection cover.
15. Remove ECU mounting plate. (see illustration #12) Disconnect all wiring connectors and remove.
16. 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.
17. Inside engine compartment disconnect and remove from OE air box the bypass hoses (2), valve cover breather hose, catch can hose (1) and drain hose (1). (see illustration #13) Loosen clamp securing supercharger inlet hose to air box.
18. On hull near steering column locate and remove the two hex head bolts. (see illustration #14) These secure the OE air box bracket to hull.
19. At front storage compartment reach through inspection hatch and remove the two bolts securing bracket to air box. (see illustration #15) Remove bracket and discard.
20. At front storage compartment reach through inspection hatch and remove rubber horn from air box inlet and discard.

21. Disconnect fuel filler hose from fuel tank.
22. 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.**
23. Replace and secure fuel filler hose immediately.
24. Inside engine compartment follow supercharger inlet hose under exhaust and back to supercharger. Locate and loosen clamp securing hose to supercharger. Remove and discard hose. Retain clamps.
25. 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.
26. Install smaller end of reduction coupler onto supercharger inlet completely. **NOTE: There are tabs on supercharger inlet that end of coupler will butt up against when installed completely. Secure coupler with OE clamp. NOTE: Apply glass cleaner to inside of coupler before installing. Do not over tighten clamp.**
27. Thoroughly clean straight end of Power Filter Tube with a non-residual cleaner. Insert into hull through front storage compartment.
28. At front of engine place second OE clamp loosely around end of Power Filter Tube. Insert tube completely into supercharger inlet coupler. **NOTE: Do not secure clamp at this time.** Inlet end of Power Filter Tube fits into opening between steering column and engine compartment. Before proceeding cover inlet opening to prevent debris from entering.
29. Place supplied mounting plate on hull over Power Filter Tube inlet. (see illustration #16) Secure mounting plate to Power Filter Tube with the three supplied M6 button head bolts and washers.
30. At mounting plate drill pilot holes at the four screw-hole openings using a 7/64" drill bit. (see illustration #16)
31. Remove mounting plate. Thoroughly clean backside of plate and hull with a non-residual cleaner. Apply a thin layer of silicone sealant to backside of mounting plate. Replace mounting plate and secure to Power Filter Tube. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts.**
32. Secure mounting plate to hull using the four supplied flat-head self-tapping screws. **NOTE: Do not over tighten screws.**
33. Install supplied pre-filter onto supplied Power Filter. Install Power Filter onto Power Filter Tube inlet and secure. (see illustration #17) **NOTE: Do not over tighten clamp.**
34. Tighten clamp securing Power Filter Tube to supercharger inlet coupler. **NOTE: Do not over tighten clamp.**
35. Place Power Filter Cover over Power Filter. Hold cover in place 1/4" from seat bracket and mark holes at mounting feet. (see illustration #18) **NOTE: Indention in cover faces forward. Cover will center itself side to side.**
36. Remove cover and drill pilot holes (4) using 7/64" drill bit.
37. Replace cover and secure using the four supplied button-head self-tapping screws. (see illustration #19) **NOTE: Do not over tighten screws.**
38. Replace steering pad cover (with Styrofoam), handlebars and hood cowlings in reverse order of steps 1~5 & 8~9. **NOTE: Apply blue Loc-tite to bolts, screws and cap nuts. Do not over tighten bolts, screws and cap nuts.**
39. Inside engine compartment install bypass hoses (2) onto Y-fitting on right side of Power Filter Tube and secure. (see illustration #20) **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.**
40. 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 #20)
41. 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 #21) **NOTE: Do not over tighten clamp.**
42. Inside front storage compartment reconnect all wiring harness connectors to electrical connectors on ECU mounting plate (5).
43. 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 #22)**
44. Replace storage compartment inspection cover.
45. 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

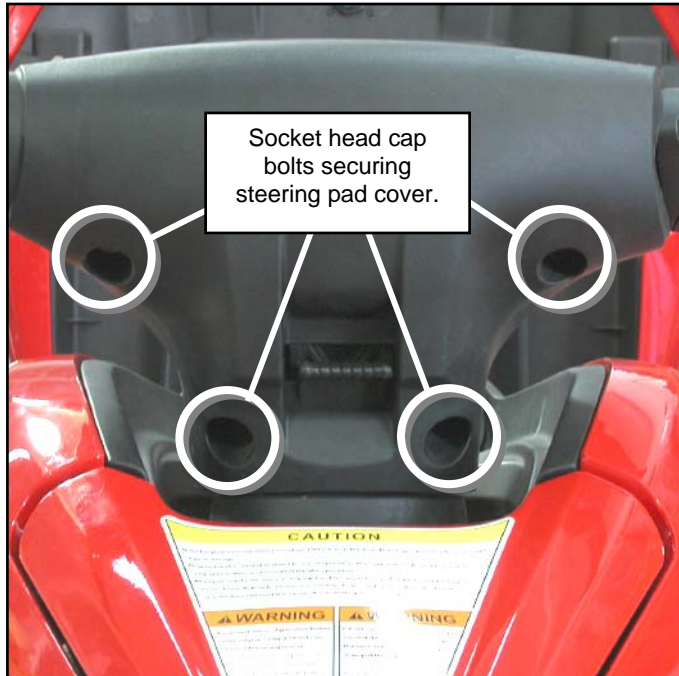


Illustration #1

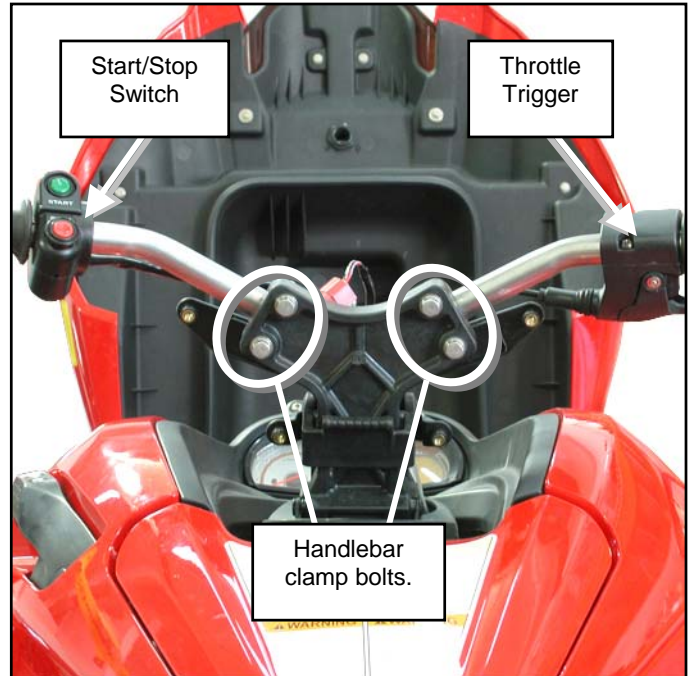


Illustration #2

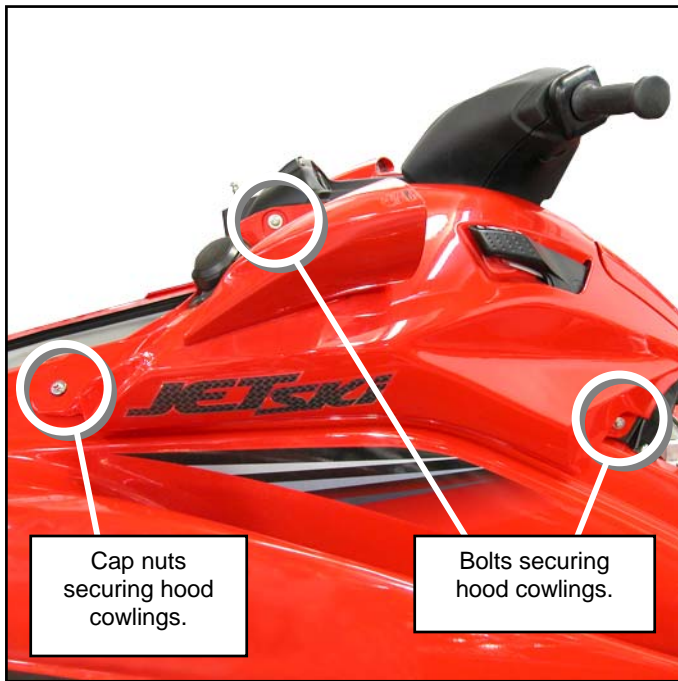


Illustration #3

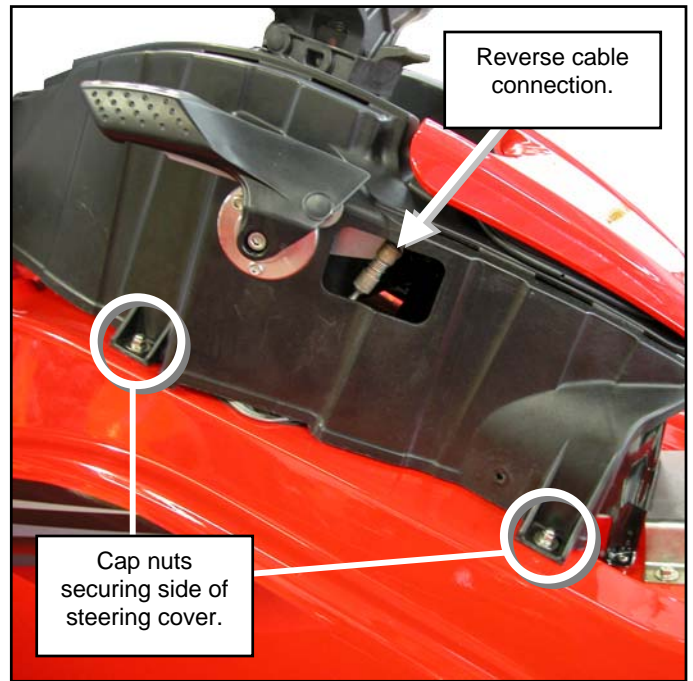


Illustration #4

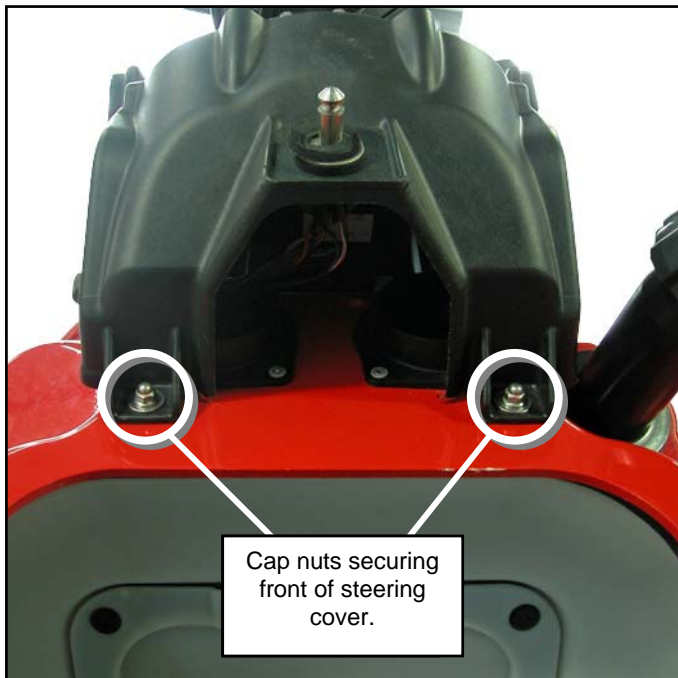


Illustration #5

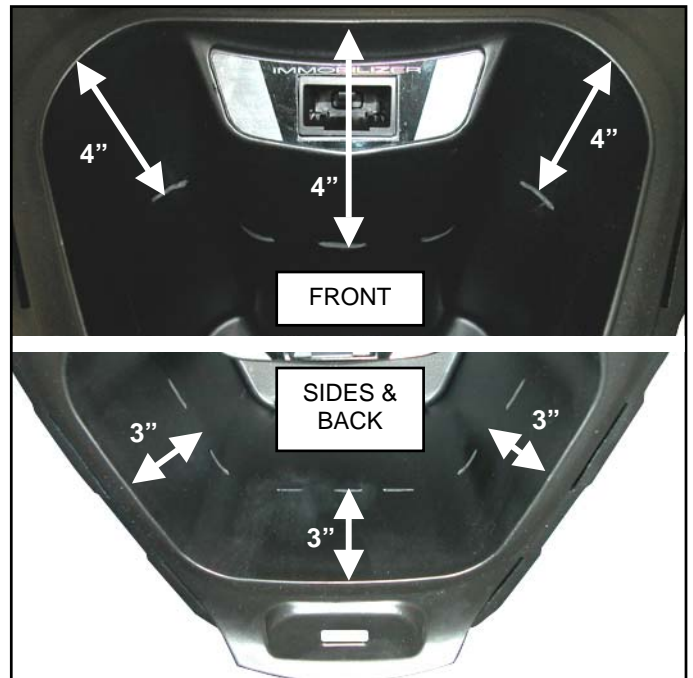


Illustration #6

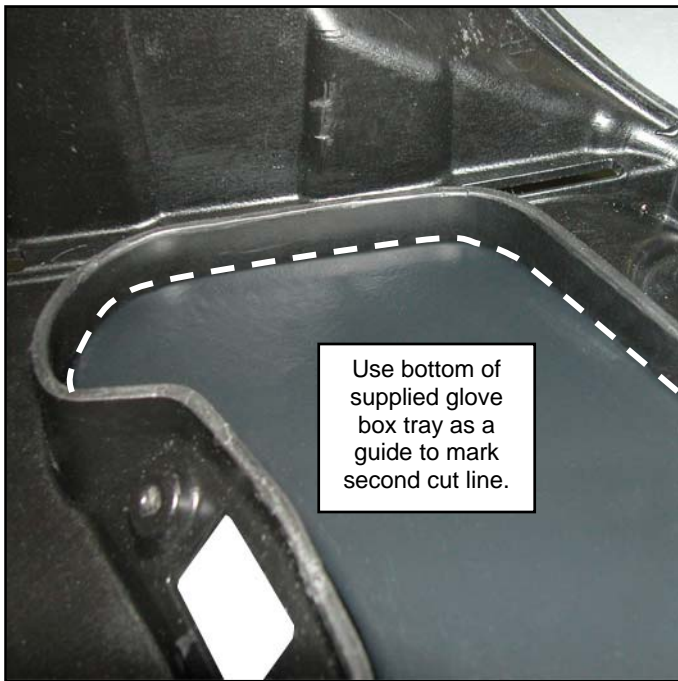


Illustration #7



Illustration #8



Illustration #9



Illustration #10

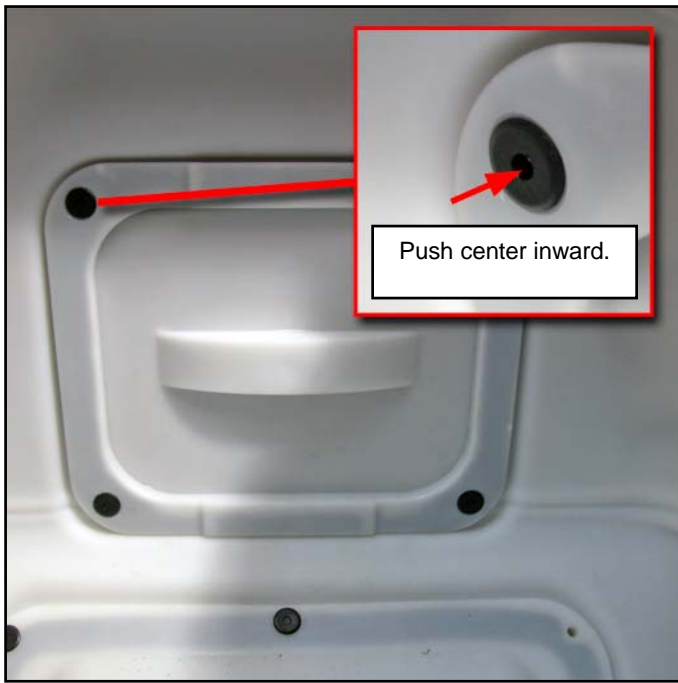


Illustration #11

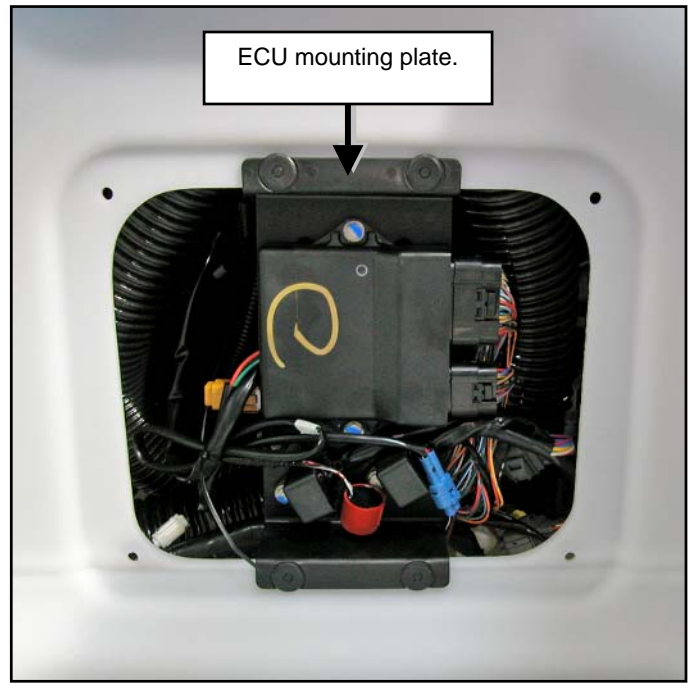


Illustration #12

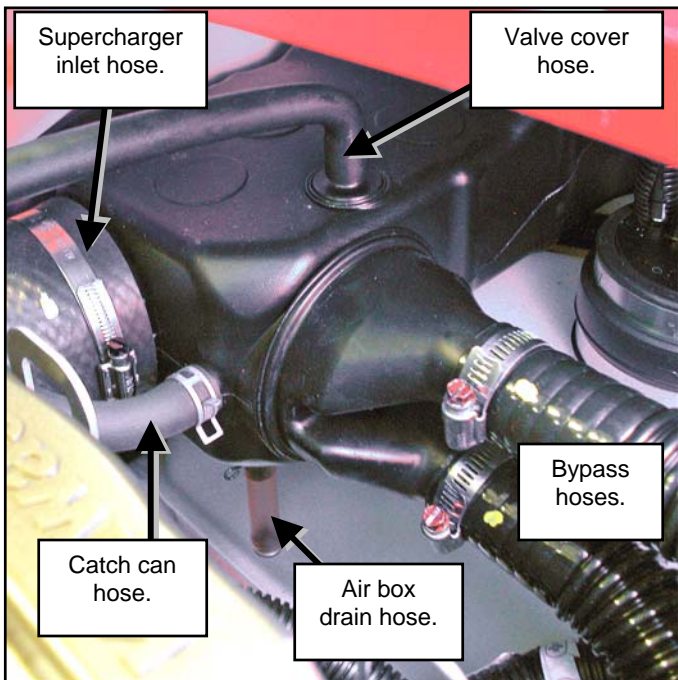


Illustration #13

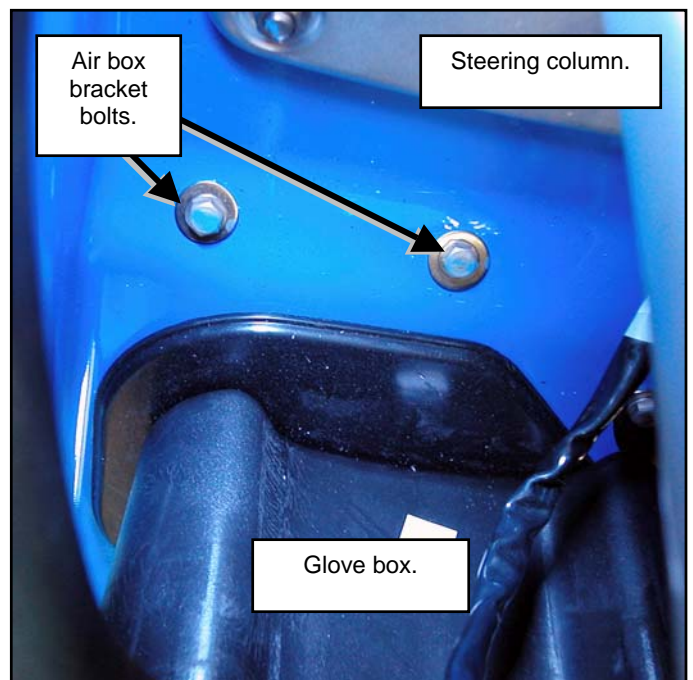


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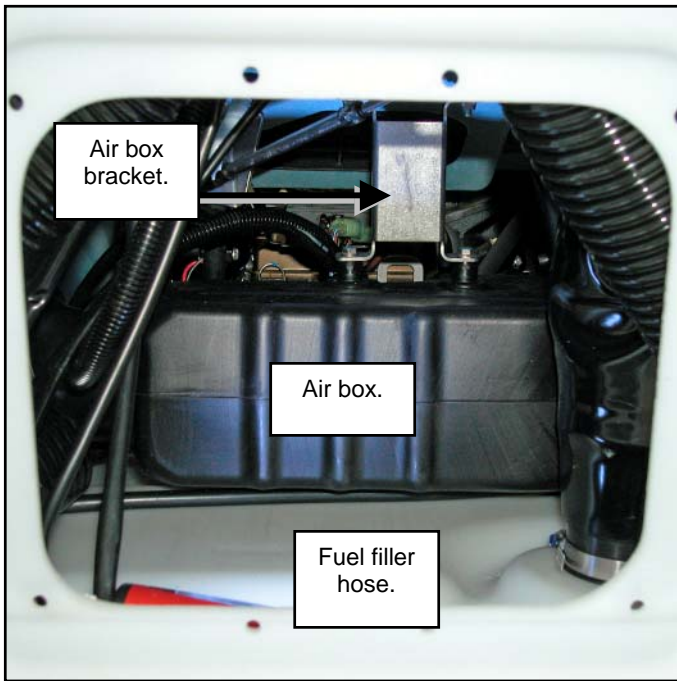


Illustration #15

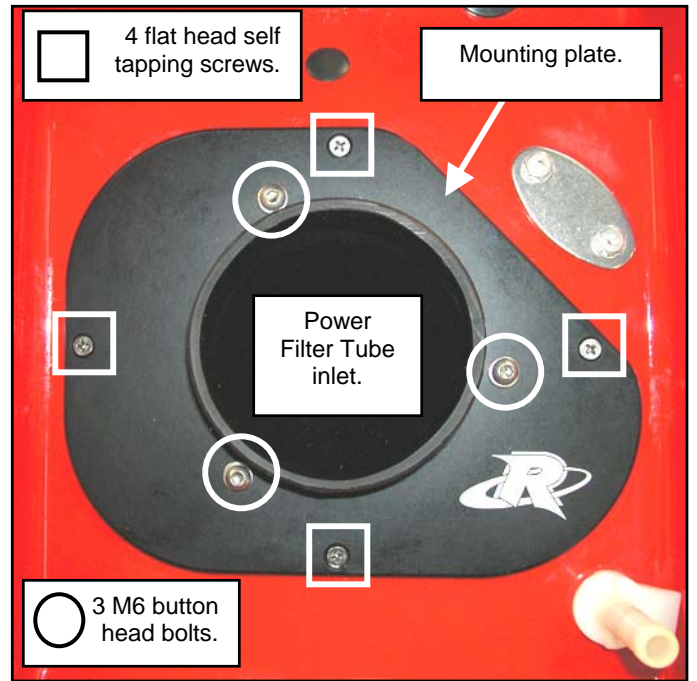


Illustration #16



Illustration #17



Illustration #18



Illustration #19

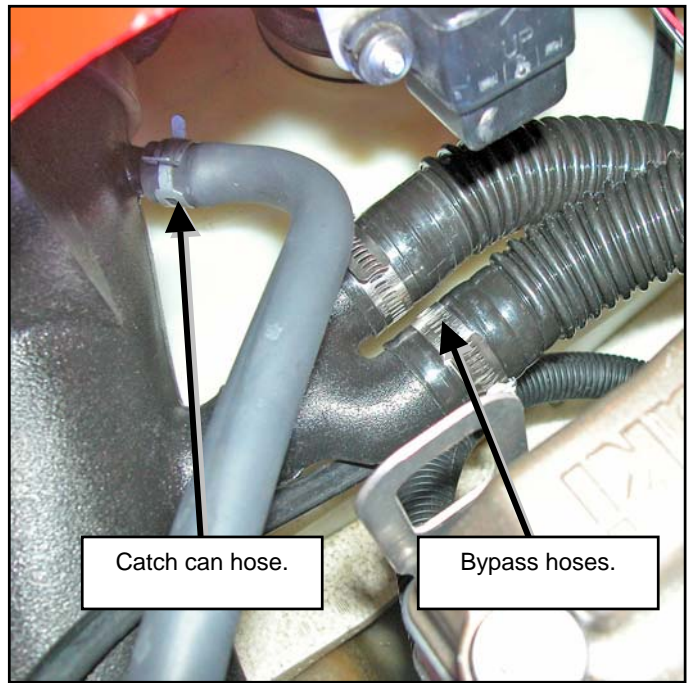


Illustration #20

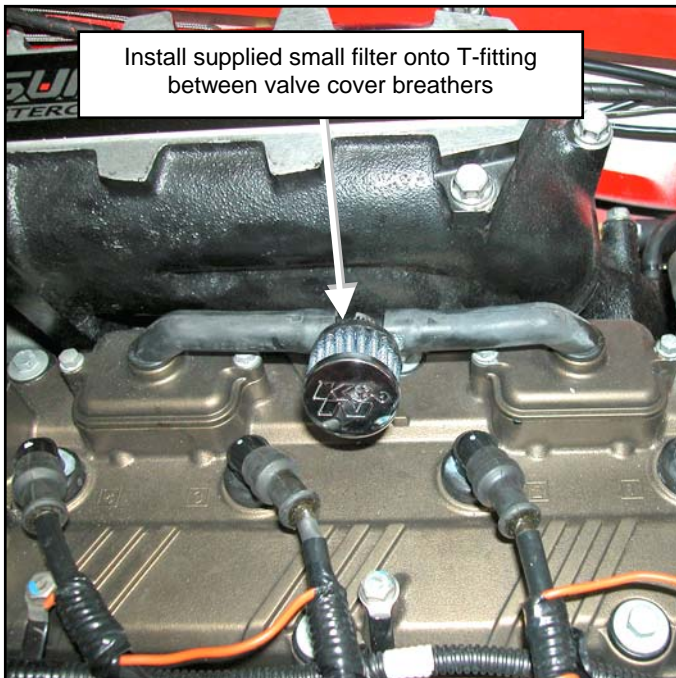


Illustration #21



Illustration #22