



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

Intake Manifold Upgrade Kit

PART# - RS12080-IMUK

APPLICATION(S): Sea-Doo 255hp RXP-X & RXT-X

Not IJSBA & APBA Stock & Limited Class Legal

Stock filter element must be removed through opening where throttle body mounts to intake manifold. Drilling a hole in the front of the intake manifold is grounds for disqualification in IJSBA & APBA Stock & Limited Classes.

***** NOTE: NO SMOKING WHILE WORKING ON CRAFT. *****

- INSTALLATION INSTRUCTIONS -

1. Disconnect D.E.S.S. lanyard. Remove seat(s).
2. **RXP-X**: Proceed to step 3.
RXT-X: Remove top half of deck beam. (see illustration #1) Remove bottom half of deck beam. (see illustration #2)
3. On top of engine remove throttle body lubrication hose from white cover. Remove white cover from top of engine.
NOTE: Replace oil dip stick.
4. At throttle body remove the electrical connector from end of intake manifold. (see illustration #3) Remove the four bolts securing throttle body to intake manifold. Move throttle body out of way.
5. At ECU disconnect the electrical connectors. (see illustration #3) Trace connector wires back and cut zip ties securing them to intake manifold.
6. At spark plug coils disconnect electrical connectors. (see illustration #3)
7. At the fuel injection rail remove the 2 bolts securing it to the intake manifold. (see illustration #4) Carefully lift fuel rail removing fuel injectors from intake manifold. Lay fuel rail assembly on top of valve cover. Cover with a clean rag.
8. At lower side of intake manifold closest to the hull cut any zip ties securing electrical wiring, cables and hoses to intake manifold.
9. Along top of intake manifold remove the 7 bolts securing manifold to cylinder. (see illustration #5)
10. Carefully pry top of intake manifold away from cylinder approximately 1/2~3/4". Lift intake manifold upward until lower mounting tabs are free from engine mounts. Remove completely. **NOTE: Proceed carefully! Do not dislodge oil dip stick tube. Make sure all wires, cables and hoses are disconnected from intake manifold.**
11. Stuff clean rags into cylinder intake ports.
12. At front of intake manifold locate center of round protrusion. (see illustration #6) If there is a small raised point remove it using a sharp utility knife.
13. Using a sharp punch mark the center where you will drill the manifold. (see illustration #7)
14. Using the supplied hole saw bit drill into the intake manifold. **NOTE: Take your time! Apply gentle pressure. The stock filter element is directly behind the thin section you are drilling into.**
15. Remove the stock filter element through the opening you have created. (see illustration #8) **NOTE: It may be necessary to trim rough edge of opening in order to remove filter. Do so using a sharp utility knife.**
16. Thoroughly clean inside of intake manifold to ensure no debris or filings are left over.
17. Apply a thin coating of waterproof grease onto the o-ring on the supplied billet block-off piece. Install into opening created in the intake manifold.
18. Place the half of the block-off clamp with the RIVA logo on top of the opening. Place the half with the 3 cut outs onto the bottom of the opening so the cut outs are against the intake manifold. (see illustration #9)
19. Secure using supplied hardware. (see illustration #10) **NOTE: Do not apply Loc-tite to bolts.**

20. Replace intake manifold. **NOTE: Make sure gaskets are in place in manifold and mounting tabs at the bottom are seated onto the engine mounts completely.** (see illustration #'s 11 & 12)
21. Secure intake manifold to cylinder using stock hardware. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts.**
22. Replace all electrical wiring, cables and hoses to lower side of intake manifold closest to hull. Secure using supplied zip ties.
23. Replace fuel injection rail. **NOTE: Use care when installing injectors into intake manifold.** Secure using stock hardware. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts.**
24. Replace throttle body and electrical connector just above throttle body. (see illustration #3) **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts.**
25. Reconnect ECU connectors. Secure wires using supplied zip ties.
26. **RXT-X only:** Replace deck beam. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts.**
27. Installation is now complete! Check bilge for tools, rags, etc. Start craft and run using flush kit to ensure throttle is operating properly. Do not run craft out of water for more than two minutes at a time.

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 Intake Manifold Upgrade Kits carry a 1-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 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

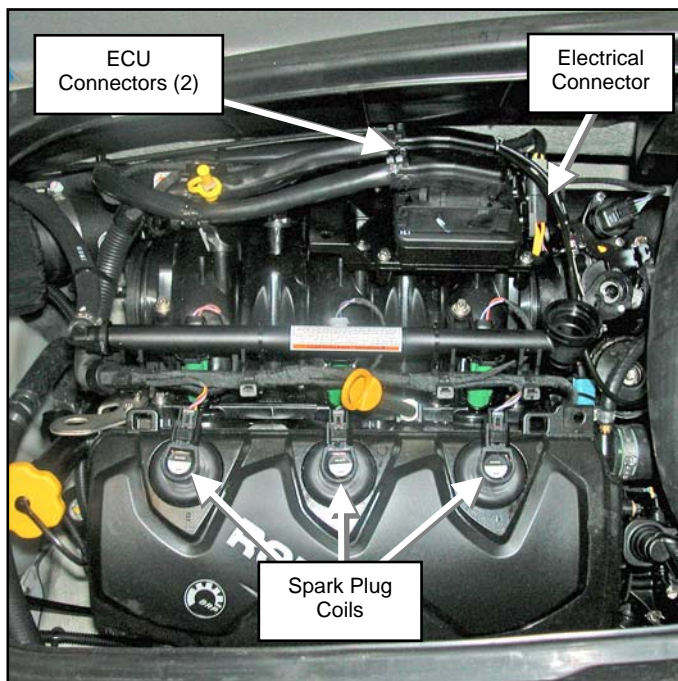


Illustration #3

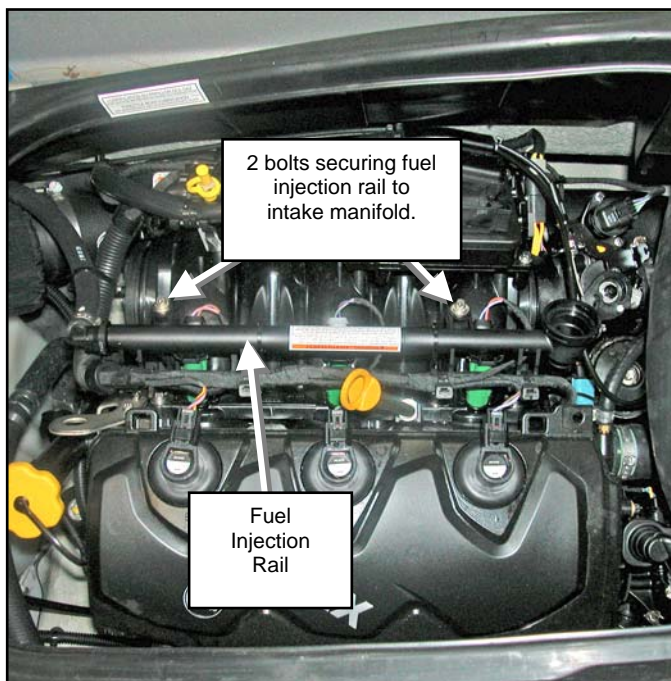


Illustration #4

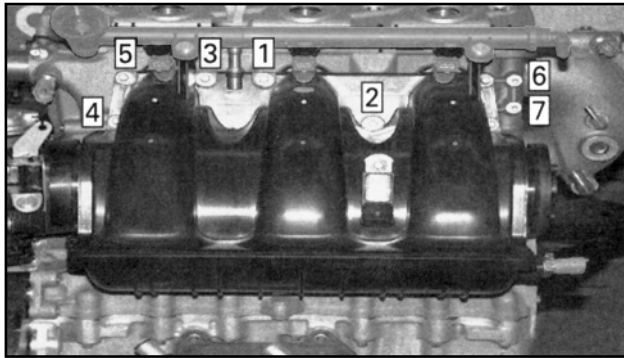


Illustration #5

NOTE: Illustration #'s 6-10 are not IJSBA & APBA Stock & Limited Class Legal. Remove stock element through opening where throttle body mounts to intake manifold.

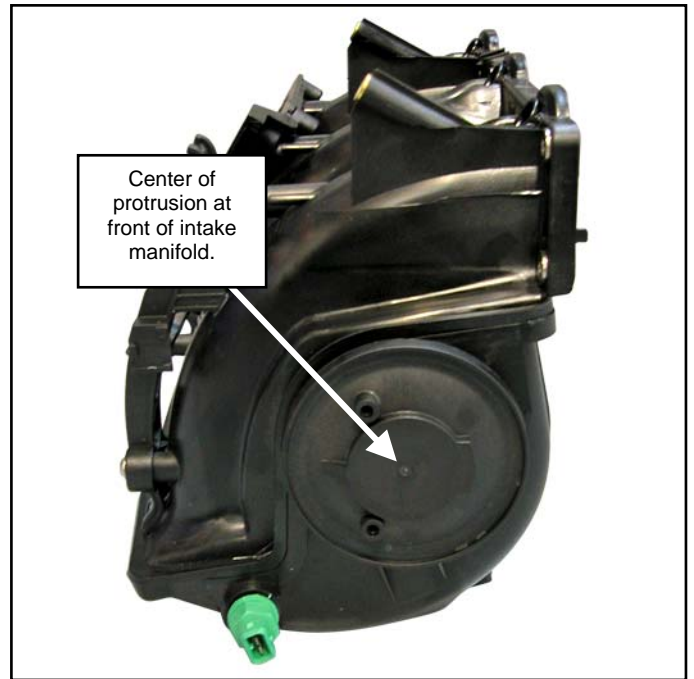


Illustration #6

NOTE: Not IJSBA & APBA Stock & Limited Class Legal.



Illustration #7

NOTE: Not IJSBA & APBA Stock & Limited Class Legal.

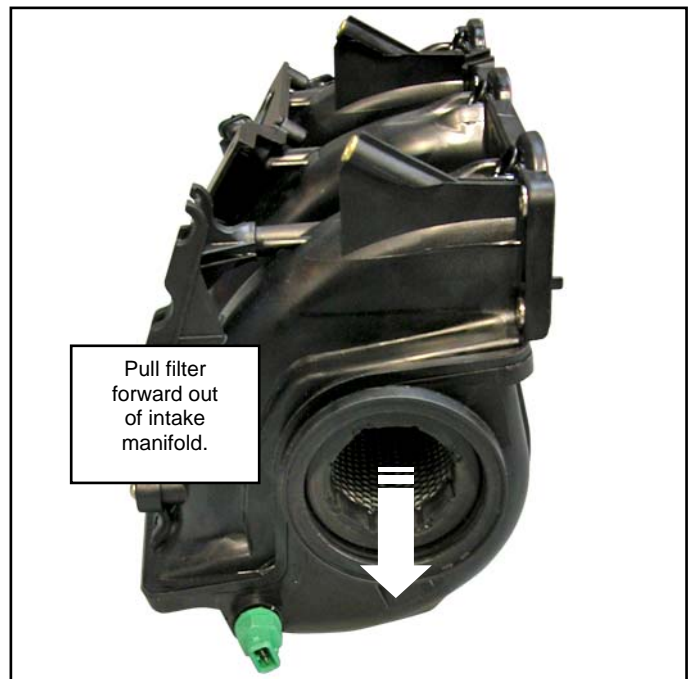


Illustration #8

NOTE: Not IJSBA & APBA Stock & Limited Class Legal.

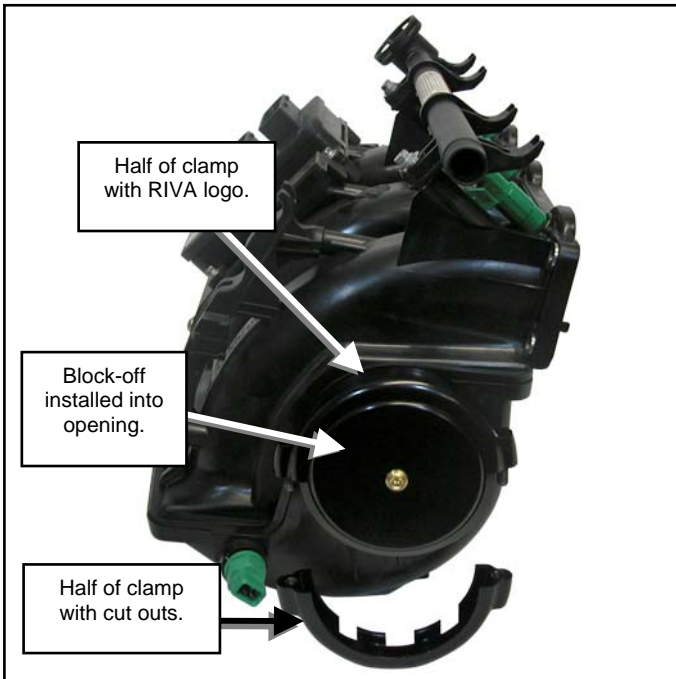


Illustration #9

NOTE: Not IJSBA & APBA Stock & Limited Class Legal.



Illustration #10

NOTE: Not IJSBA & APBA Stock & Limited Class Legal.

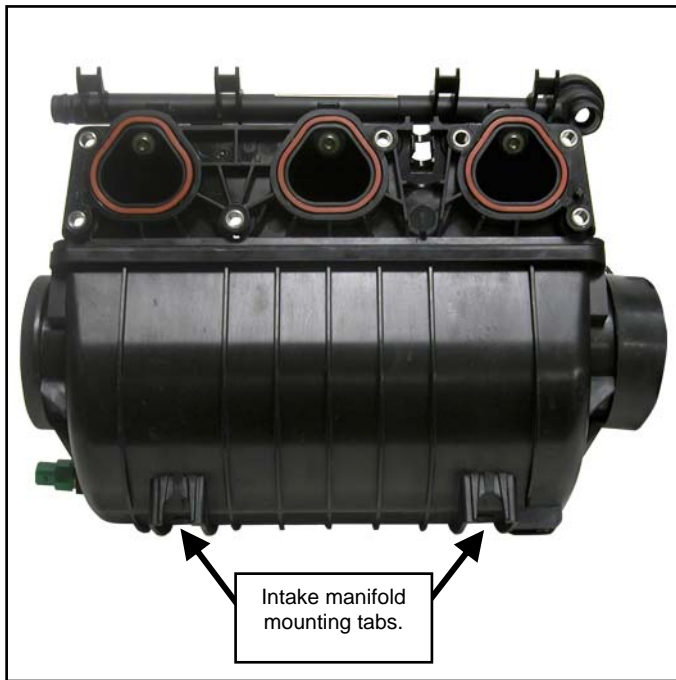


Illustration #11

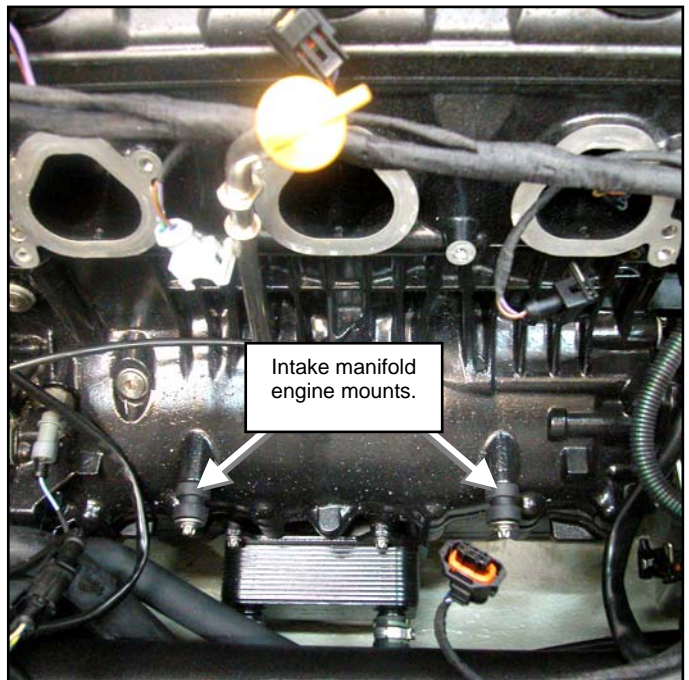


Illustration #12