



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

Sea•Doo Performance O.P.A.S. Block-off Kit

PART# - RS29050-1

APPLICATION(S): RXP, RXT & GTX

Required tools

<u>Required tools</u>	<u>Part#</u>
8mm shallow socket	N/A
10mm shallow socket	N/A
13mm shallow socket	N/A
Ratchet	N/A
10mm combination wrench	N/A
13mm combination wrench	N/A
3mm Allen wrench	N/A
5mm Allen wrench	N/A
Medium size adjustable wrench	N/A
Short, flat screw driver	N/A
Blue Loc-tite (medium strength)	538066
Pipe Thread Sealant (medium strength)	ACC-YAMAB-0N-D4

NOTE: This part is for competition use only. It is designed to cover the opening left when O.P.A.S. (Off Power Assisted Steering) system is removed for racing purposes. RIVA Racing does not recommend the removal of O.P.A.S. system for recreational use.

- INSTALLATION INSTRUCTIONS -

PUMP AREA:

1. Remove the two M6x25 bolts securing O.P.A.S. levers (tie-rod ends) to O.P.A.S. "U" lever and discard. (see illustration #1)
2. Remove the M8x20 bolt securing O.P.A.S. "U" lever to steering nozzle and discard both. (see illustration #1)
3. Remove O.P.A.S. levers from O.P.A.S. tie-rods by unscrewing. (see illustration #1) **NOTE:** For '03 GTX-SC models only you will first need to remove the pump support bracket located on the right side of pump. (see illustration #2) Replace bracket making sure to use blue Loc-tite on threads of M8x20 bolts. **Do not over tighten bolts.**

HULL SIDE:

4. Remove the M8x110 bolts connecting O.P.A.S. blades to stabilize fittings (tie-rod ends) and discard. (see illustration #3)
 5. Remove the M6x25 socket head cap bolt securing O.P.A.S. blades to cylinder support assemblies and discard. (see illustration #3)
 6. Remove O.P.A.S. blades and discard.
 7. Remove the four M6x25 socket head cap bolts securing O.P.A.S. cylinder support assemblies to hull. (see illustration #5) Retain bolts for later use.
 8. Remove cylinder support assemblies by pulling away from hull. (see illustration #6) **NOTE:** For RXT & GTX models you will need to disconnect the hose connected to cylinder support assemblies. After doing so, push hose into hull as it is no longer utilized. Then, remove the large rubber seals from back of cylinder assemblies for use when installing block-off plates.
 9. Remove tie-rods from hull by pulling and twisting at the same time and discard. Push rubber seal tube into hull. (see illustration #7)
- ** NOTE: Do not remove K40x25 hex flange screw. (see illustration #7) This is securing backing plate to hull for the M6x25 socket head cap bolts that will secure RIVA Performance O.P.A.S. Block-off Plates to hull.**
10. Install supplied large o-rings into o-ring grooves in back of large block-off plates. **NOTE:** For RXT & GTX models install the stock rubber seals previously removed from cylinder support assemblies into recess in back of large block-off plates.

11. Install large block-off plates and secure to hull using stock M6x25 socket head cap bolts. **NOTE: Block-off plates install one direction only. (see illustration #8) Use blue Loc-tite on threads. Do not over tighten bolts.**

PUMP AREA:

12. Remove the plastic rod grommets and discard. (see illustration #9) Retain hardware. Push rubber seal tube into hull.
13. Install supplied large o-rings and small o-rings into o-rings grooves in back of smaller block-off plates. Install small block-off plates and secure to hull with stock K40x25 hex flange screws. (see illustration #10) **NOTE: Use blue Loc-tite. Do not over tighten screws.**

RXT & GTX models only:

14. Drop reverse gate. At top of pump remove hose connecting 90-degree fitting on pump to thru-hull fitting above pump and discard. Retain one hose clamp for later use. (see illustration #11)
15. Remove 90-degree fitting from pump. Install supplied threaded block-off fitting. (see illustration #12) **NOTE: Apply pipe thread sealant to threads. Do not over tighten.**
16. Install supplied rubber vacuum cap onto thru-hull fitting and secure with stock hose clamp. (see illustration #12) **NOTE: Do not over tighten clamp.**

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

1 Year Limited Warranty

RIVA O.P.A.S. Performance Block-off Plates 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 must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.

Sea•Doo Performance O.P.A.S. Block-off Kit

PART# - RS29050

- INSTALLATION IMAGES -

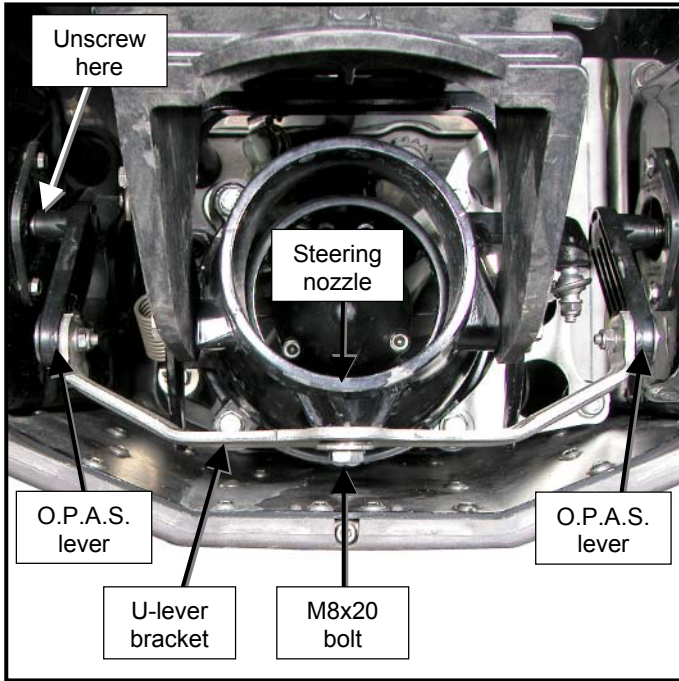


Illustration 1



Illustration 2

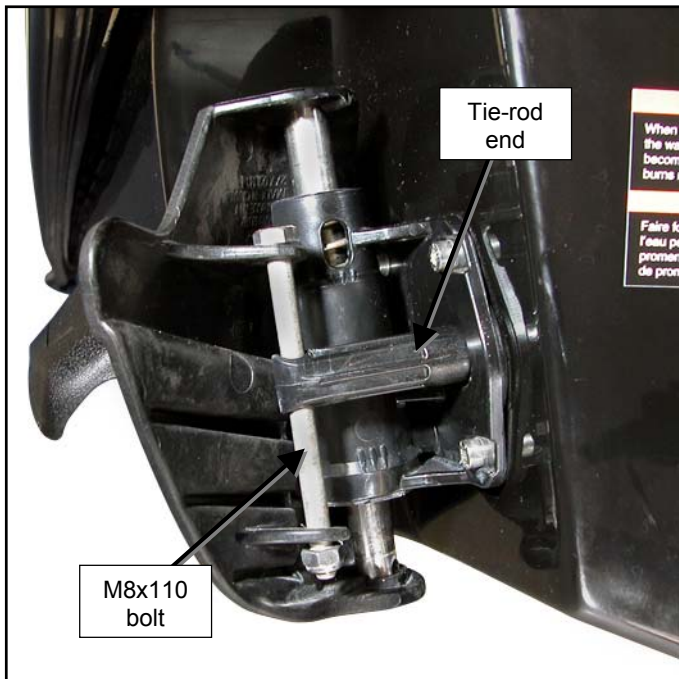


Illustration 3

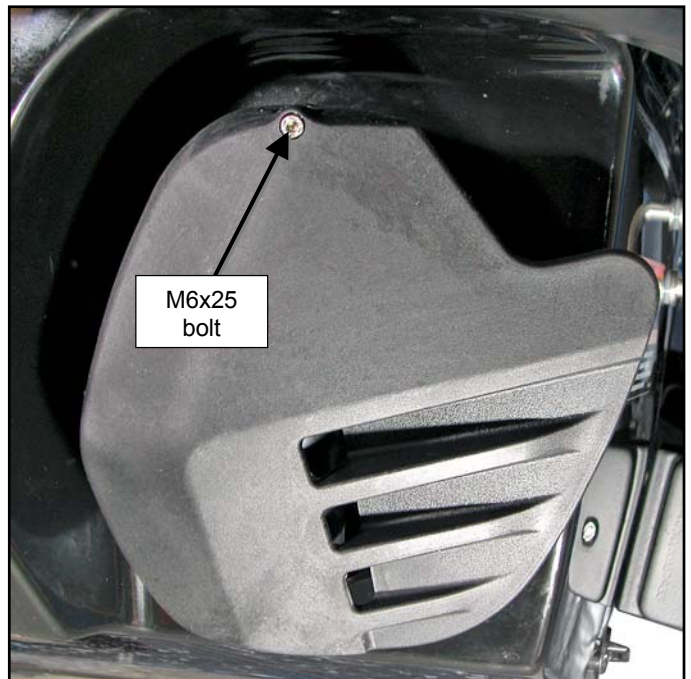


Illustration 4

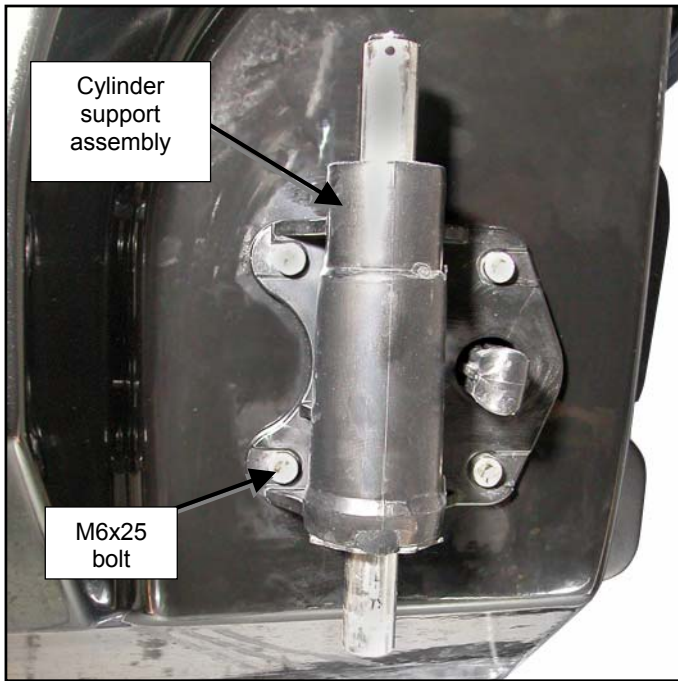


Illustration 5

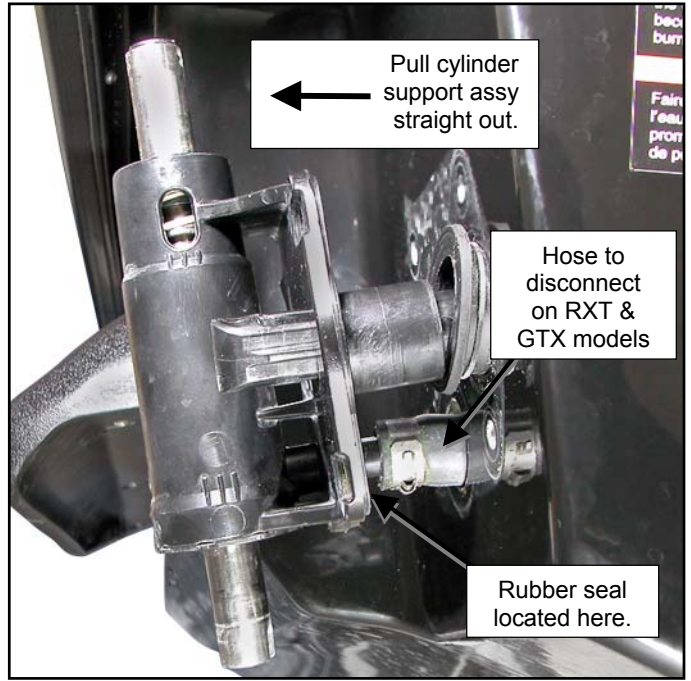


Illustration 6

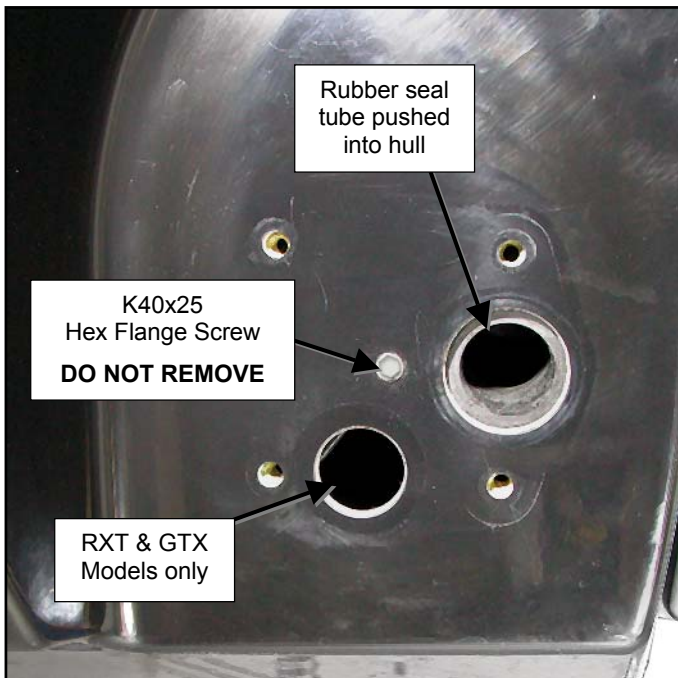


Illustration 7

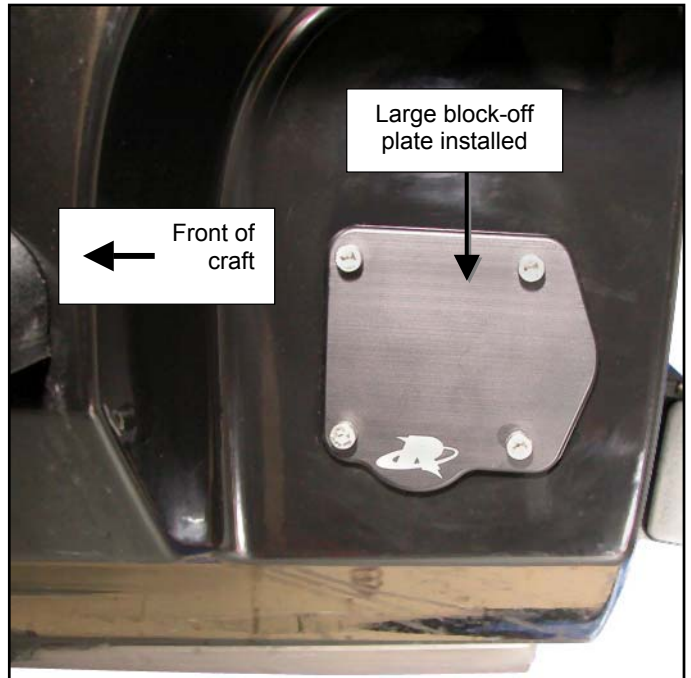


Illustration 8

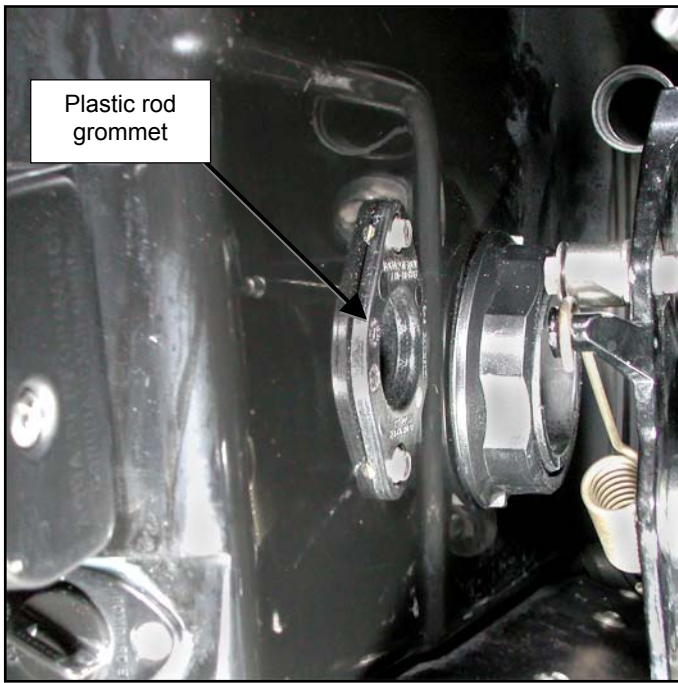


Illustration 9

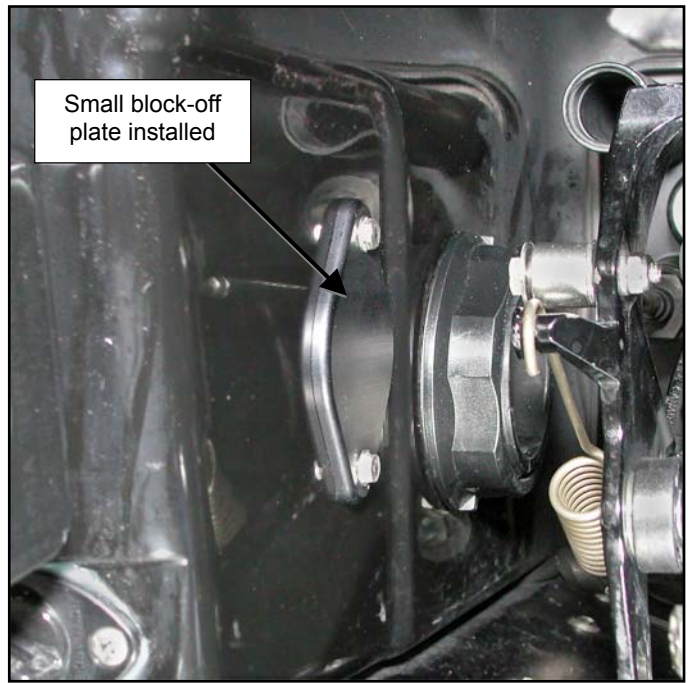


Illustration 10

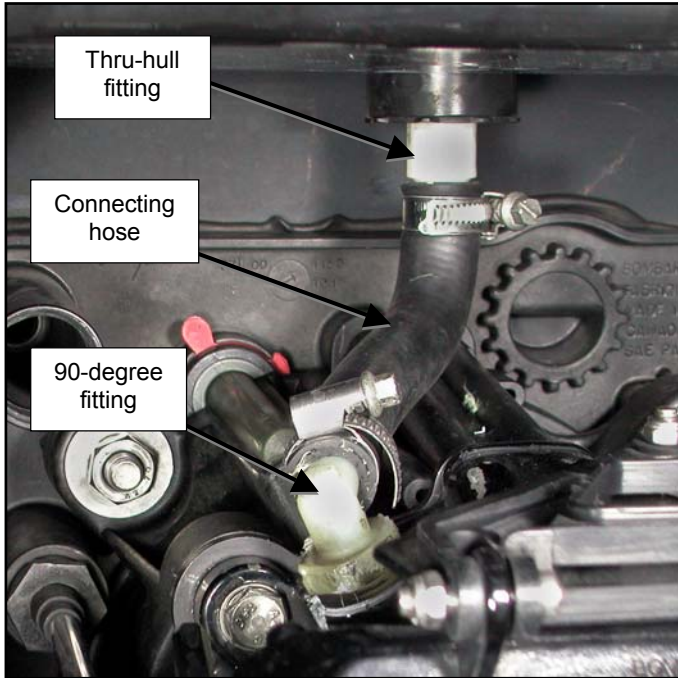


Illustration 11

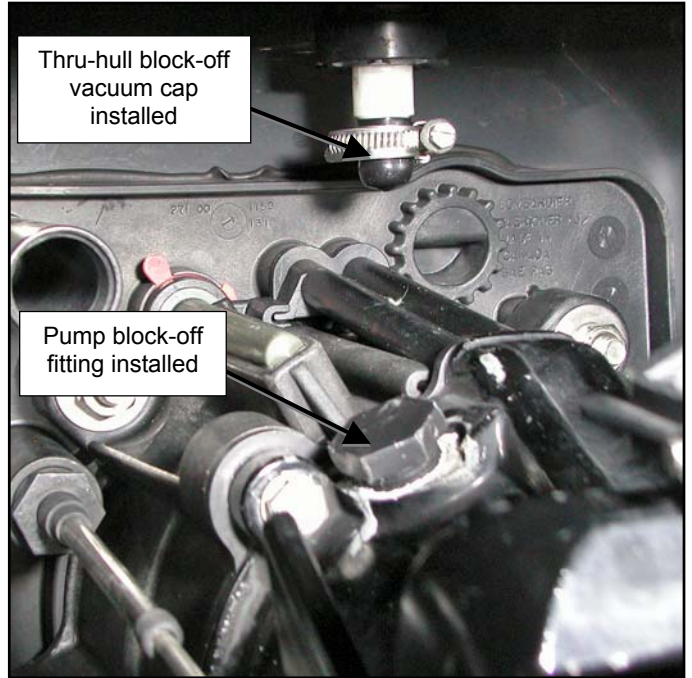


Illustration 12