



# RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

## Performance Ride Plate **PART# - RS21050 & RS21080**

**APPLICATION(S):** RS21050 – 215hp RXP, RXT & GTX-SC  
RS21080 – 255hp RXP-X & RXT-X

### Required tools

Low Weight Hydraulic Bottle Jack  
2 Steel Plates  
Heat Gun  
Below Waterline Silicone Sealant

### Part#

N/A  
N/A  
N/A  
Please Call

### Required Additional Parts

RIVA Sea-Doo Open Loop Cooling Kit

### Part#

RS1013-50

### Recommended tools

4-TEC Shop Manual

### Part#

Please Call

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

## **- INSTALLATION INSTRUCTIONS -**

1. Remove D.E.S.S. lanyard.
2. Install RIVA Open Loop Cooling Kit per installation instructions included with kit.
3. Remove intake grate.
4. Disconnect reverse cable from reverse gate linkage. (see illustration #1)
5. Disconnect steering cable from steering nozzle. (see illustration #2)
6. Disconnect VTS trim rod from VTS motor rod. (see illustration #2)
7. Disconnect bolt securing O.P.A.S. bracket to bottom of steering nozzle.  
**RXT-X, RXT & GTX-SC ONLY: Disconnect O.P.A.S. pump hose from top of pump if equipped.**
8. Remove the four bolts securing pump assembly to hull. (see illustration #2) Remove pump assembly.
9. Inside hull remove the two fittings secured to ride plate for closed loop cooling. **NOTE: Fittings are threaded to ride plate.**
10. Remove the six bolts securing ride plate to hull.
11. Place 'low weight' hydraulic bottle jack on ride plate in pump area. (see illustration #3) Insert steel plates between bottle jack and hull and ride plate.
12. Heat ride plate from underside to soften silicone. Begin prying ride plate from hull by expanding hydraulic bottle jack.  
**CAUTION: Proceed slowly.**
13. Thoroughly remove and clean silicone from hull.
14. Apply below waterline silicone sealant to supplied plug caps and install into openings for open loop thru-hull fittings. (see illustration #4)
15. Apply below waterline silicone sealant to supplied ride plate. (see illustration #5) **NOTE: Apply around all six bolt hole locations.**
16. Install ride plate and secure using stock hardware. **NOTE: Apply blue Loc-tite to bolts. Torque in sequence to 25 N•m (18 lbf•ft). (see illustration #6)** Remove excess silicone leaving a smooth transition between ride plate and hull.
17. Apply below waterline silicone sealant to intake grate and install. Secure using stock hardware. **NOTE: Apply blue Loc-tite to bolts. Torque front bolt to 26 N•m (19 lbf•ft) and three rear bolts to 11 N•m (97 lbf•in).** Remove excess silicone leaving a smooth transition between ride plate and hull.

18. Install pump assembly making sure cooling inlet reducer is in place at top of pump. **NOTE: Apply blue Loc-tite to bolts. Torque bolts to 31 N•m (23 lbf•ft).**
19. Reconnect O.P.A.S. bracket to bottom of steering nozzle. **NOTE: Apply blue Loc-tite to bolt. Torque to 25 N•m (18 lbf•ft).**
20. Reconnect VTS rod, reverse cable and steering cable. **NOTE: Do not over tighten bolts.**
21. Check bilge for tools, rags, etc. Start craft and run using flush kit to check for proper operation.

***Remember, the water belongs to everyone.  
Please ride responsibly and respect the environment!***

### 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](mailto:tech_support@rivamotorsports.com).

### Limited Warranty

RIVA Performance Ride 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 and a Return Authorization Number (RA#) must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.

## **- INSTALLATION IMAGES -**

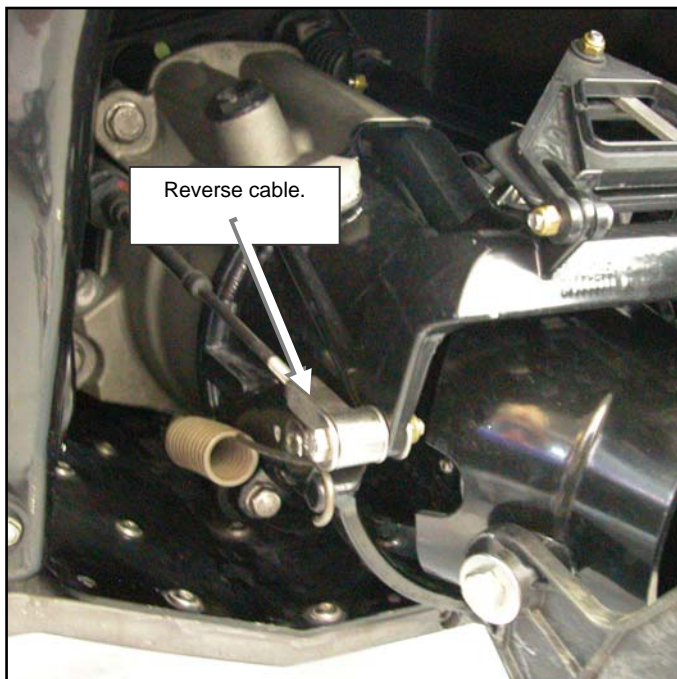


Illustration #1

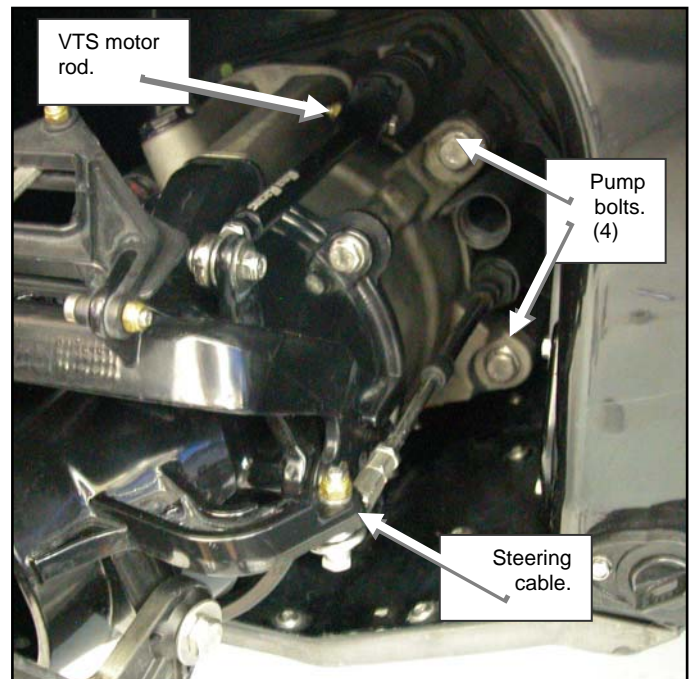


Illustration #2

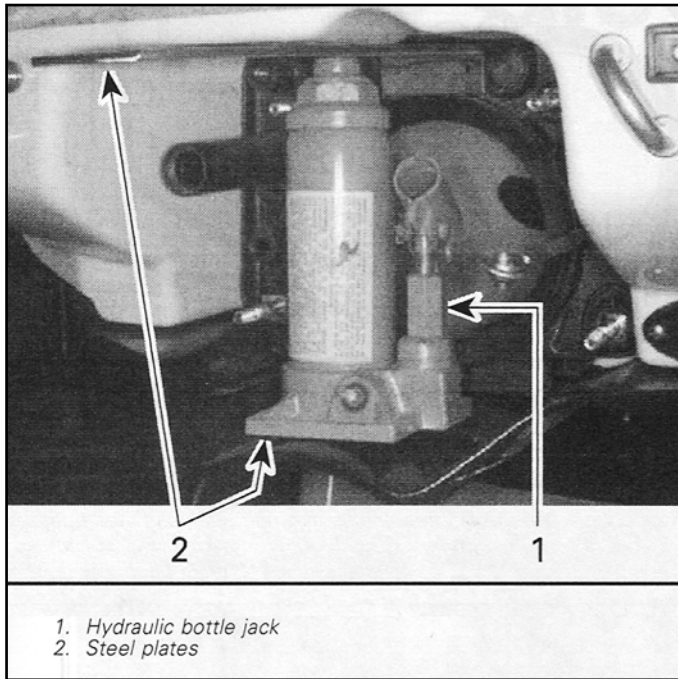


Illustration #3

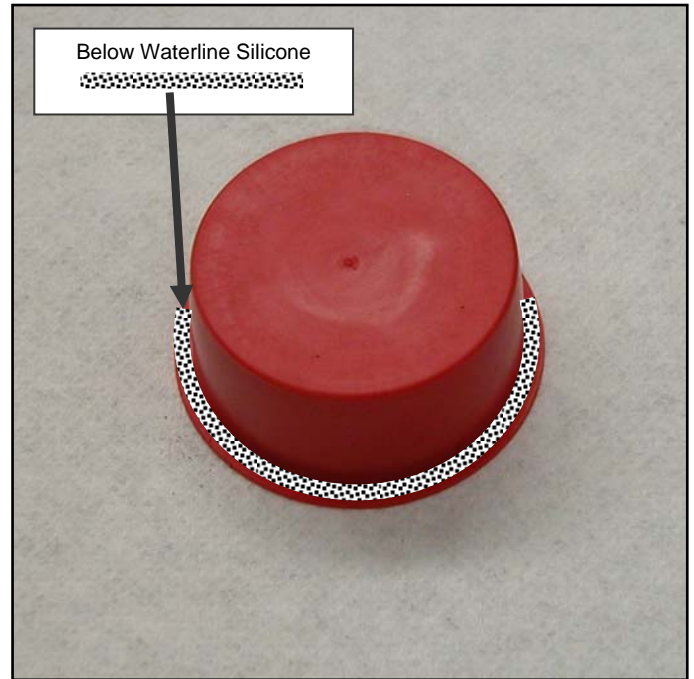


Illustration #4



Illustration #5

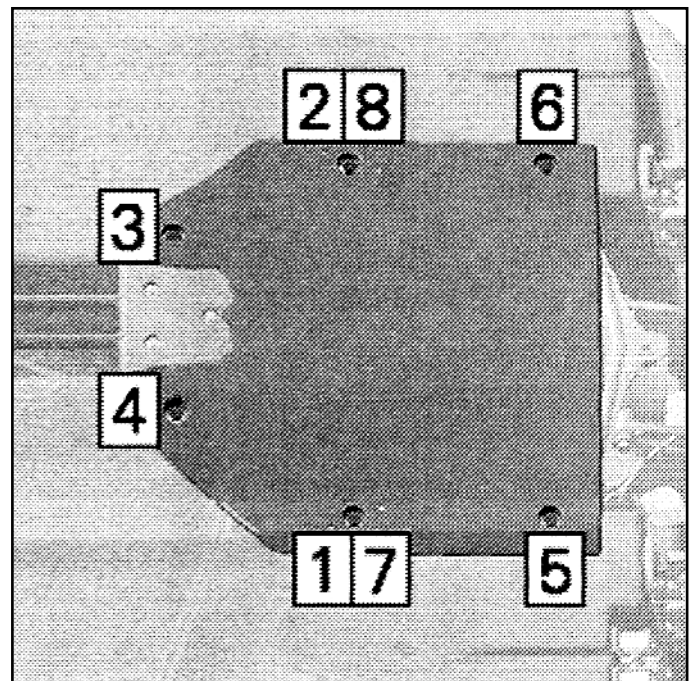


Illustration #6