



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Pro-Series Reduction Nozzle

PART# - RY23040-N

APPLICATION(S): All Yamaha FZR, FZS, FX, GPR & XLT models

- INSTALLATION INSTRUCTIONS -

1. Disconnect battery cables. **NOTE: Negative (black) first. Positive (red) second.**
2. Disconnect steering, reverse and Q.S.T.S. cables from steering nozzle. (see illustration #1)
3. Remove visibility spout hose from top of stock reduction nozzle. **NOTE: Visibility spout is disabled on RIVA Pro-Series Reduction Nozzle to comply with competition safety rules. To retain use of visibility spout the socket head cap screw must be removed from fitting on RIVA Pro-Series Reduction Nozzle.**
4. Disconnect the stock siphon hose from left side of stock reduction nozzle. (see illustration #1)
5. Remove the four M10 bolts securing stock reduction nozzle to pump. (see illustration #1)
6. Remove stock reduction nozzle assembly.
7. Remove the three bolts securing reverse gate brackets to each side of stock reduction nozzle. (see illustration #2)
8. Remove reverse gate assembly.
9. Remove the two bolts securing Q.S.T.S. ring with steering nozzle to reduction nozzle. (see illustration #3) **NOTE: Discard bolts. Retain bolt collars for installation steps.**
10. Install one of the supplied interchangeable nozzle rings into supplied Pro-Series Reduction Nozzle. (see illustration #4) Apply pipe thread sealant to supplied set screws (2) and secure nozzle ring. **NOTE: Do not over tighten set screws.**

NOTE: We have supplied three nozzle rings to enable you to tune to optimal rpm and performance for your conditions or application. Additional sizes are available. Always use an aftermarket tachometer to verify rpm.

11. Install stock Q.S.T.S. ring with steering nozzle onto Pro-Series Reduction Nozzle. (see illustration #5) Secure using supplied M8 bolts and washers. **NOTE: Be sure bolt collars are in Q.S.T.S. ring. Apply red Loc-tite to bolts. Torque bolts to 15 N•m (11 ft•lbs). DO NOT USE STOCK HARDWARE.**
12. Install reverse gate brackets onto Pro-Series Reduction Nozzle. (see illustration #6) Secure using stock hardware. **NOTE: Apply red Loc-tite to bolts. Torque bolts to 8 N•m (6 ft•lbs).**
13. Inspect pump and stock reduction nozzle for dowel pins (2). Make sure both are installed in pump.
14. Apply below waterline silicone sealant to gasket mating surface on Pro-Series Reduction Nozzle. Install nozzle onto pump and secure using stock hardware. **NOTE: Apply blue Loc-tite to bolts. Torque bolts to 40 N•m (30 ft•lbs).**
15. Reconnect stock siphon hose to fitting on left side of Pro-Series Reduction Nozzle.
16. Reconnect reverse, steering and Q.S.T.S. cables.
17. Reconnect battery cables. **NOTE: Positive (red) first. Negative (black) second.**

***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.

Limited Warranty

RIVA Pro-Series Reduction Nozzles carry a 90-day 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 -

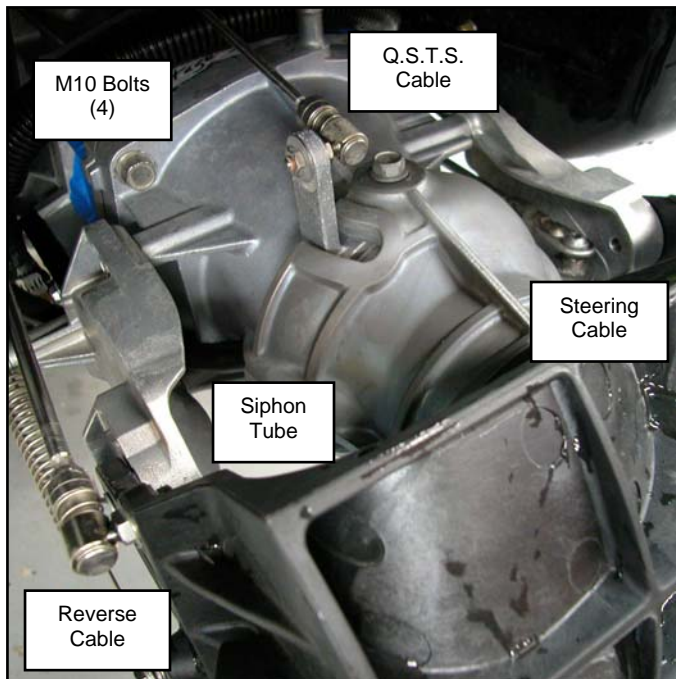


Illustration #1

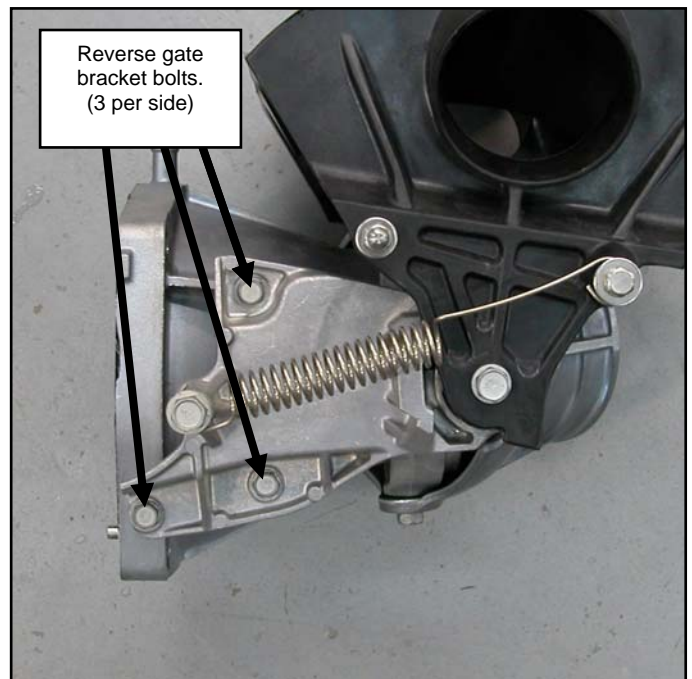


Illustration #2



Illustration #3



Illustration #4



Illustration #5



Illustration #6