



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

RIVA Yamaha 1.8L 2-Degree Pump Wedge

RY23040-PW

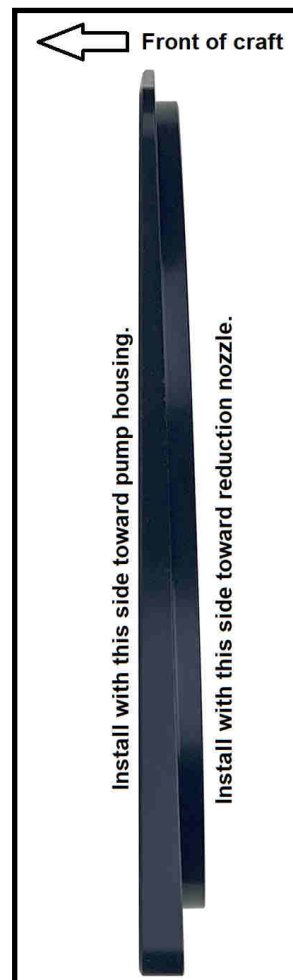


Figure 1

Applications: Yamaha 1.8L models

Approximate Installation Time: 1 hr.

Recommended Specialty Tools:

Required Materials:

Blue Loctite

Three Bond 1207B

Part #

Part #

N/A

N/A

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Prior to installation, go to the RIVA Racing online Instruction Library to download the latest version of these instructions:

<https://rivaracing.com/instructions>

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 hardware removed in the disassembly process will be used in the installation process. These instructions have been written in step-by-step format and refer to illustrations. Read through instructions entirely before performing installation. Please follow these step-by-step instructions and illustrations carefully.

***** ALLOW ENGINE TO COOL COMPLETELY BEFORE PERFORMING INSTALLATION *****

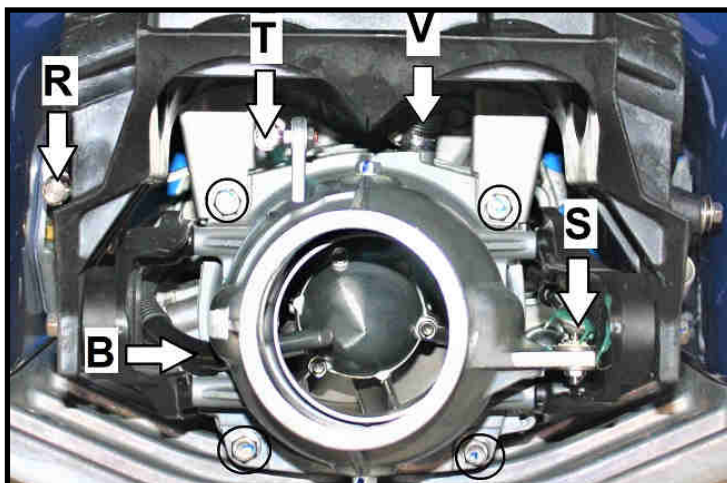
***** NO SMOKING *** NO SMOKING *** NO SMOKING *****

Caution: Whenever using electric or battery operated tools inside the hull be sure it is well ventilated and no fumes are present. Failure to do so could result in a fire, or explosion and serious personal injury or death.

- INSTALLATION INSTRUCTIONS -

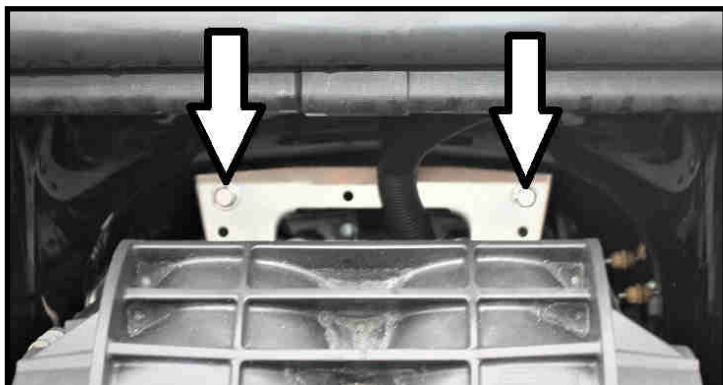
Disconnect reverse (R) and Q.S.T.S. trim rod (T). Disconnect visibility spout hose (V) from top of reduction nozzle and stock bilge siphon hose (B) from left side of reduction nozzle. Remove nut and unscrew heim joint ball (S) from steering nozzle. (Figure 2)

Figure 2



Lower reverse gate and remove M8 bolts (2) in pump bracket. (Figure 3)

Figure 3

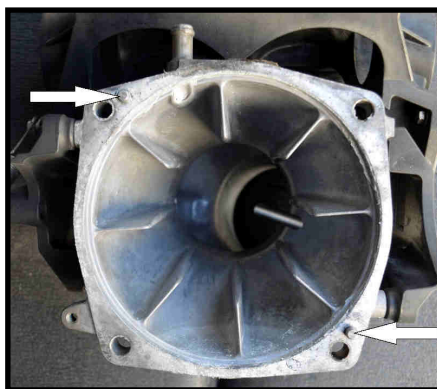


Remove M10 bolts (4) securing reduction nozzle and reverse bucket assembly to jet pump. (Circled in Figure 2)

Remove reduction nozzle and reverse bucket from jet pump.

Remove dowel pins (2). (Figure 4) **Note: These pins may be in the reduction nozzle or in the jet pump housing.**

Figure 4



Clean mating surfaces of pump housing and reduction nozzle. Install supplied RIVA pump wedge into reduction housing aligning bolt holes. **Notes:**

Projected surface of wedge fits into reduction nozzle. Apply Three Bond 1207B sealant to mating surfaces. (Figure 1, Page 1)

Loosen lock nut at steering cable heim joint. Unscrew steering heim joint six turns. **Note: Do not tighten lock nut yet.** (Figure 5)

Figure 5



Install reduction nozzle with pump wedge in place onto jet pump housing.

Reassemble jet pump in reverse order of disassembly.

Notes: Tighten M8 Bolts (2) in bracket to 13 ft.·lb. (17Nm). Tighten M10 bolts (4) in reduction nozzle/pump housing to 30ft.·lb. (40 Nm). Use blue Loctite on all bolt threads. Apply Three Bond 1207B sealant to mating surfaces.

Check and adjust steering alignment. Cable can be adjusted at steering arm (on the steering column) as well as at jet pump. Once alignment is correct tighten lock nut(s) to secure. **Note: At least 7.5 threads must remain in the heim joints after adjustment.**

Check bilge for rags, tools etc. Run craft on a flush hose 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@rivaracing.com.

Limited Warranty

RIVA Pump Wedges 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.

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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.