



RIVA / SOLAS SET-BACK IMPELLER **INSTALLATION INSTRUCTIONS**

APPLICATIONS: Modified GP1200R, GP1300R & FX140.

WARNING! TURN FUEL OFF AND DISCONNECT BATTERY BEFORE PERFORMING WORK!

1. Remove jet pump from Waverunner®.
2. Separate the stator section from impeller wear ring and reduction nozzle.
3. Insert splined end of drive shaft into drive shaft holder tool. Secure drive shaft holder tool in a sturdy bench vise and remove impeller by turning clockwise when looking down length of drive shaft at top of impeller. **NOTE: It may be necessary to warm impeller hub to remove. DO NOT OVERHEAT!** Retain OE impeller washer for use with **Riva/Solas Set-Back Impeller**.
4. Thoroughly clean splines and threads on drive shaft and mating surfaces of stator, impeller wear ring and reduction nozzle.
5. Install OE impeller washer onto driveshaft and apply Loc-Tite 572 to threads. Carefully install **Riva/Solas Set-Back Impeller** taking care not to cross-thread impeller onto drive shaft. Slide included impeller tool onto drive shaft and insert splined end of drive shaft into drive shaft holder tool. Secure drive shaft holder tool in a sturdy bench vise and tighten impeller by turning counter-clockwise when looking down length of drive shaft at top of impeller. Torque impeller (counter-clockwise) to 12Nm (1.8m • kgf, 13ft • lb).
6. Install **Riva Billet Impeller Cone**. Apply Loc-Tite 572 to threads of the three included set screws and install into impeller cone. Slide impeller cone onto drive shaft and into nose of impeller completely. Tighten set screws evenly.
7. Apply a generous amount of grease onto splined end of drive shaft and silicone onto mating surfaces of stator, impeller wear ring and reduction nozzle. Install jet pump into Waverunner®.

Technical Support

For answers to questions regarding assembly or trouble shooting Riva Yamaha Performance Products contact: Riva Yamaha Tech Line at (954) 247-0705, e-mail at tech_support@rivayamaha.com or you're local Yamaha Dealer.

** See included insert from Solas for warranty information.

INSTALLATION TIPS & RECOMMENDATIONS:

- ✓ Use a marine grade silicone and allow to dry overnight. This is available through Riva's parts department or most local marine products retailers.
- ✓ Drive shaft holder tool [part# TOOL#56] is available through Riva's parts department or most local PWC shops.
- ✓ If you aren't using a Riva Performance Pump Cone we recommend installing one while you have the jet pump assembly removed. The Performance Pump Cone will improve performance by reducing cavitation.
- ✓ Thoroughly inspect jet pump prior to installing impeller to ensure there is no damage to stator veins or impeller wear ring. Any damage to these components will reduce performance.

Remember the water belongs to everyone! Please ride responsibly!