



Pump Seal Kit PART# - RY2525

INSTALLATION INSTRUCTIONS

APPLICATIONS: 2002-'03 FX140 (all models)

REQUIRED ITEMS: Marine-grade / mildew resistant silicone
Loctite 572 (blue)

***WARNING!** DISCONNECT BATTERY BEFORE PERFORMING WORK!*

NOTE: IT IS RECOMMENDED THAT YOU WEAR SAFETY GLASSES WHEN PERFORMING THIS TASK

1. Remove the four OE 8 X 35mm bolts from the pump inlet shoe and the two OE 6 X 30mm bolts from the front of the intake grate. Carefully grab intake grate just in front of the pump inlet shoe and pull down. **NOTE: If you siliconed the OE pump inlet shoe previously you will need to carefully cut away the silicone between the pump inlet shoe and hull. It may be necessary to pry the rear / sides of the pump inlet shoe while pulling down on the intake grate. Be careful not to damage or remove the OE foam gasket on the rear of the pump inlet shoe.**
2. Remove the remaining two OE 6 X 20mm bolts holding intake grate to pump inlet shoe. Carefully clean the pump inlet shoe, intake grate and intake track mating surfaces. **NOTE: Be careful not to damage or remove the OE foam gasket on the rear of the pump inlet shoe.**
3. Verify and note location of each of the location specific molded inserts in the pump plug kit.
4. Apply a small amount of silicone into each void in pump inlet shoe and install pump plug pieces into their respective voids. (Reference installation images 1-4 on page 2) Remove excess silicone after installation. **NOTE: Do not use chemicals when cleaning silicone.**
6. To ensure proper fit and alignment, install intake grate onto pump inlet shoe using the two OE 6 X 20mm bolts. Push intake grate towards rear of pump inlet shoe and tighten. **DO NOT APPLY SILICONE, LOCTITE OR TORQUE BOLTS YET. This will be done later in the installation.**
7. Apply a generous amount of silicone onto pump inlet shoe / hull and hull / pump shoe mating surfaces (Reference installation images 5&6 on page 2). Using the four OE 8 X 35mm and two 6 X 30mm bolts, install pump inlet shoe and intake grate into pump inlet. **NOTE: Be sure pump inlet shoe is pushed to the rear as far as possible while remaining parallel to drive shaft when installing.** Torque the four OE 8 X 35mm bolts to 17 Nm (1.7 m • kgf, 12 ft • lb). **Use Loctite 572 on the four 8 X 35mm bolts.**
8. Remove the intake grate and excess silicone in intake track and underside of hull. **NOTE: Do not use chemicals when cleaning silicone.**
9. Apply silicone onto intake grate (filling the small voids on the sides and rear) and onto the pump inlet shoe / intake grate mating surfaces.
10. Install intake grate using the four OE 6mm bolts. **NOTE: Use Loctite 572 on all bolts.** Push intake grate towards rear of pump inlet shoe. Torque to 7 Nm (0.7 m • kgf, 5.1 ft • lb). **NOTE: BE SURE THE 6 X 30mm BOLTS ARE INSTALLED IN THE FRONT OF THE INTAKE GRATE AND THE 6 X 20mm BOLTS ARE INSTALLED IN THE REAR OF THE INTAKE GRATE.** Remove excess silicone. **NOTE: Do not use chemicals when cleaning silicone.**
11. Inspect intake track for tools, rags, etc and reinstall battery cables.
12. Allow silicone to cure for at least 24 hours.

IMPORTANT: Technical Support

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

Remember, the water belongs to everyone!

Please ride responsibly!

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INSTALLATION IMAGES



ILLUSTRATION 1



ILLUSTRATION 2



ILLUSTRATION 3



ILLUSTRATION 4

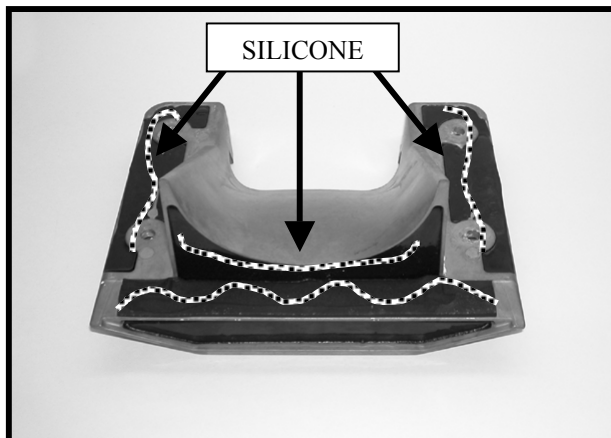


ILLUSTRATION 5

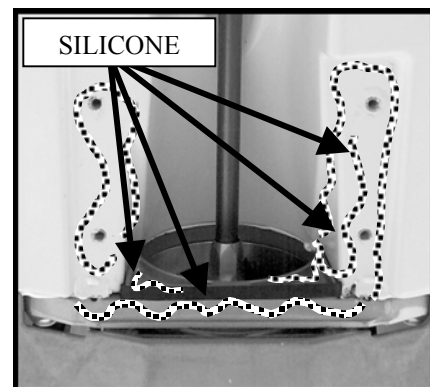


ILLUSTRATION 6