



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

RIVA XXX-2 Supercharger **PART# - RS17050-XXX2**

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 clamps, hoses and 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.

APPLICATION(S): 260/255/215hp Sea-Doo Models

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

Required Specialty Tools

Torx Screw Adaptor
Service Manual
Torque Wrench

Part#

529 035 938
N/A
N/A

IMPORTANT NOTICE:

- Compressor surge can cause impeller to hit housing if a blow-off valve is not used to release excess boost pressure that engine cannot process.

TUNING REQUIREMENTS:

Fuel: Installation of this RIVA Performance Product requires the use of RIVA Pro-Series ECU. Failure to install this part will result in engine damage.

Installation of this RIVA Performance Product requires the use of RIVA Pro-Series 100lb. Fuel Injector Kit (part# RS12090-I-KIT-100). Failure to install this part will result in engine damage.

Installation of this RIVA Performance Product requires the use of RIVA Rising Rate Fuel Pressure Regulator Kit (part# RS12050-RRFPR-08) configured with rising rate and static pressure of 58psi. Failure to install this part will result in engine damage.

Use of 91-93 octane fuel is required.

- INSTALLATION INSTRUCTIONS -

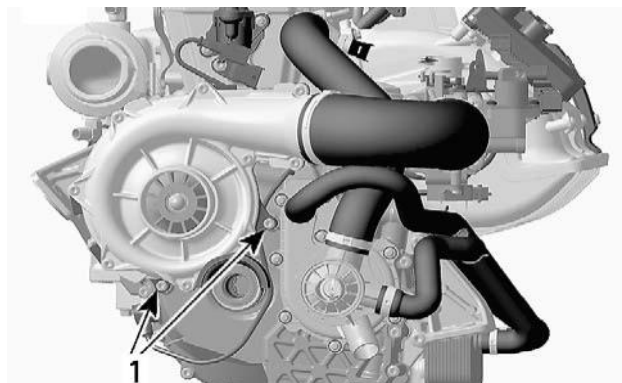
Disconnect battery cables. **NOTE: Negative (black) first. Positive (red) second.**

RXP-X 260 Models: Remove coolant reservoir from grab handle & set to side. **Note:** Keep upright to avoid coolant from spilling from bottle. Remove bolts (4) securing grab handle & remove grab handle.

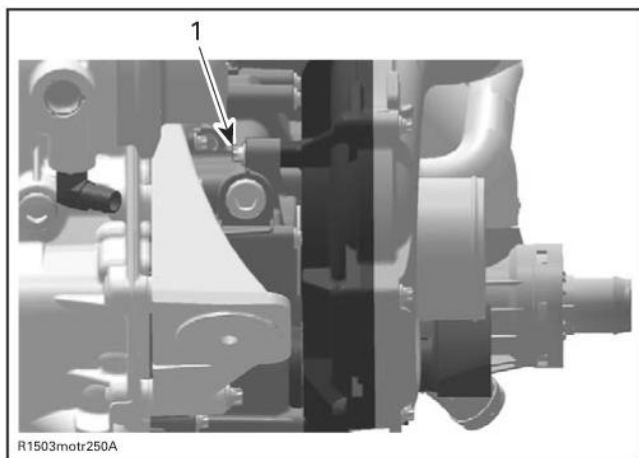
If using a RIVA Pro-Series Aluminum Water Box proceed to next step; otherwise disconnect exhaust hose or exhaust tube from water box outlet. Loosen clamps securing coupler to water box and exhaust manifold. Carefully slide water box rearward.

Remove inlet and outlet hoses attached to supercharger unit.

Remove the two M6 x 35mm Torx bolts¹ that secure supercharger unit to engine.

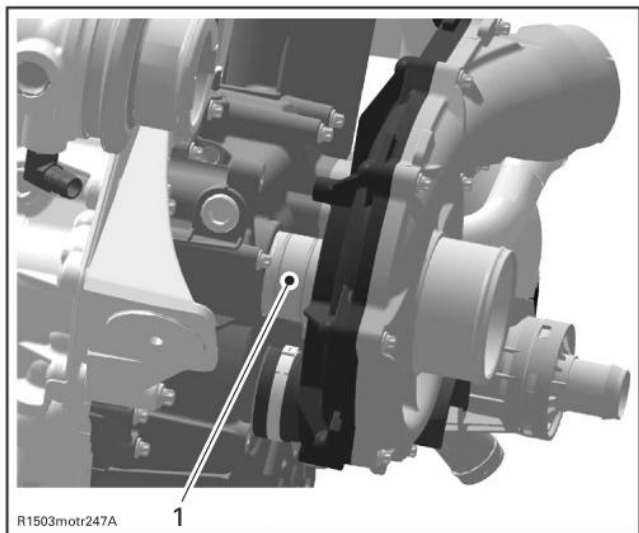


Remove the one M6 x 35mm Torx bolt¹ that secures rear of supercharger unit to engine. **NOTE:** You will need a special Torx adapter (part#529 035 938) to remove and replace the upper/rear Torx bolt. This can be purchased through our parts department or a SeaDoo Dealer.



Remove supercharger unit from engine.

Thoroughly coat unpainted area on rear of the RIVA XXX-2 supercharger unit with grease¹



Note: Make sure not to cover the oil port with grease.

Install supercharger unit onto engine. **NOTE: You may need to rotate supercharger impeller to allow supercharger gear to mesh with flywheel gear.**

Secure supercharger unit to engine using the three M6 x 35mm Torx bolts removed in step 5. **NOTE: Apply blue Loc-tite to bolts. Torque bolts to 97lbf•in / 11 N•m**

Replace water box connections. **NOTE: Do not over tighten clamps.**

Replace supercharger inlet and outlet hoses and secure. **NOTE: Do not over tighten clamps.**

RXP-X 260 Models: Reinstall rear grab handle and coolant reservoir.

Re-connect battery cables. **NOTE: Positive (red) first. Negative (black) second.**

Check bilge for tools, rags, etc. Run craft on a flush kit to check for proper operation.

IMPORTANT: Break in period for this supercharger is 3-4 hours. Check and/or adjust the slip on the SC shaft after 3-4 hours of operation after installation. Please refer to your Sea Doo service manual for this procedure. The slip moment setting for the Riva XXX-2 should be 15-18 foot lbs. For optimum performance, inspect/adjust the slip again in 10-20 hours (depending upon application & water conditions). Once you have noticed the slip has stabilized, you may go longer between slip inspections.

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.