



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Sea-Doo RXP-X/RXT-X/GTX Steering Kit

PART# - RS20150



Applications: RXP-X 260/300 RXT-X 260/300 GTX 260/300

Approximate Installation Time: 1 Hr.

Recommended Specialty Tools:

iControl removal tool
(only required if re-using OEM control housings)

Part #

RS24090-ICRT

Required Materials:

Blue LocTite

Part #

N/A

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 *****



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PERFORMANCE PRODUCTS & ACCESSORIES

RS20150

COMPONENT LIST

	Item	Quantity	Part Number	Description
<input type="checkbox"/>	A	1		Steering assy.
<input type="checkbox"/>	B	1	95610A570	Nylon Washer
<input type="checkbox"/>	C	1	93657A408	Nylon Spacer
<input type="checkbox"/>	D	2	410.6.18	Stainless Steel Washer
<input type="checkbox"/>	E	2	561030SS	Nyloc Nut

Packed with pride by: _____

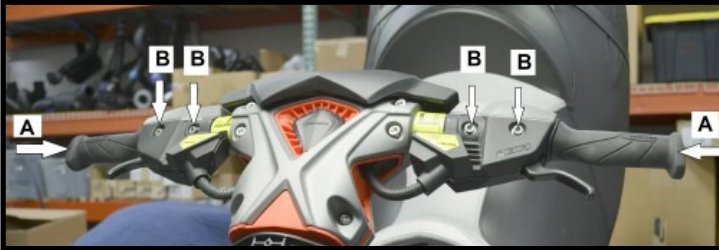
Your kit was inspected and verified before being carefully packaged by our staff. Please check package contents before beginning assembly. If you have a question about missing or damaged items please contact RIVA Technical Support directly at (954) 247-0705 or by e-mail at tech_support@rivamotorsports.com

- INSTALLATION INSTRUCTIONS -

If re-using OEM control housings begin with the following steps:

Remove handlebar end caps and grip retainer bolts (A). Remove grips. Remove control cover bolts (B) (Figure 1)

Figure 1



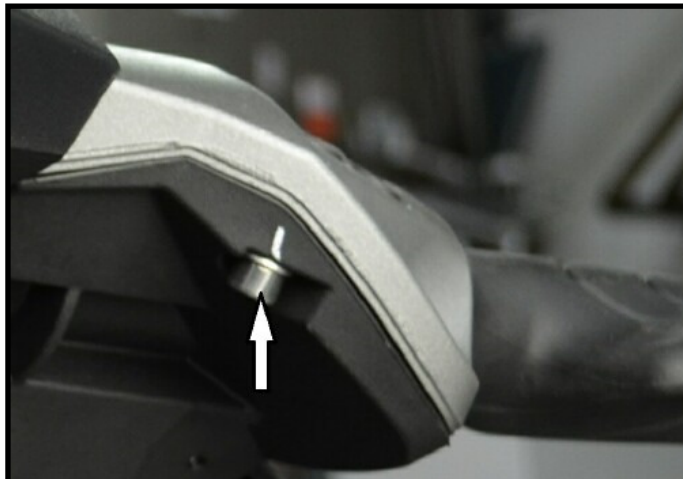
Release control cover tab by pressing with the tip of a small screwdriver. Remove control cover. (Figure 2)

Figure 2



Remove button cover bolt(s) (Figure 3)

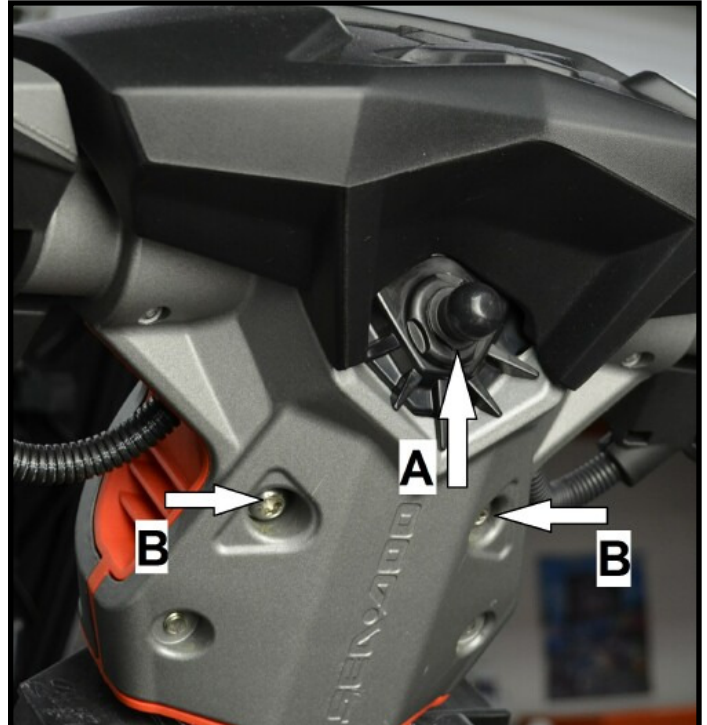
Figure 3



Lift off button covers. Remove sensors and button switches from control housings and disconnect from steering harness.

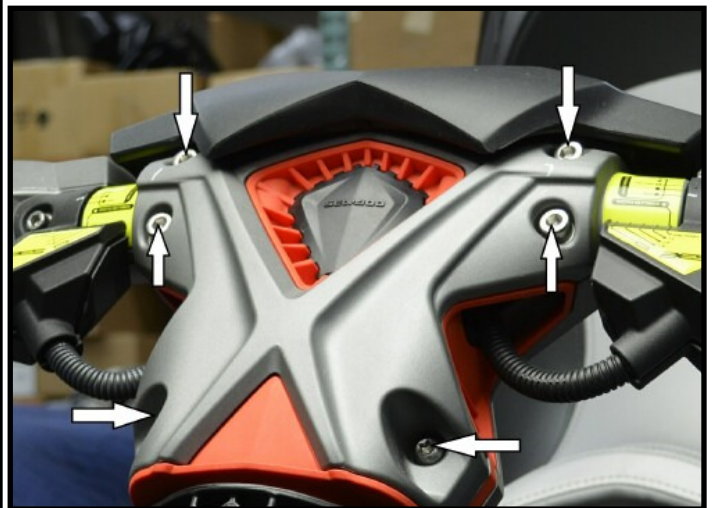
Remove nut from DESS post (A) and two extension cover bolts (B) (Figure 4)

Figure 4



Remove 6 extension cover bolts and remove front and rear extension covers. Unplug and remove DESS post from steering harness. (Figure 5)

Figure 5



Gauge Support Removal RXT-X/GTX Only: Open storage compartment. Remove storage bin. Tilt steering to maximum up position and use a long flat blade screwdriver to release the two tabs (one on each side) of the gauge support bottom cover. Tilt steering maximum down and remove cover. (Figure 6)

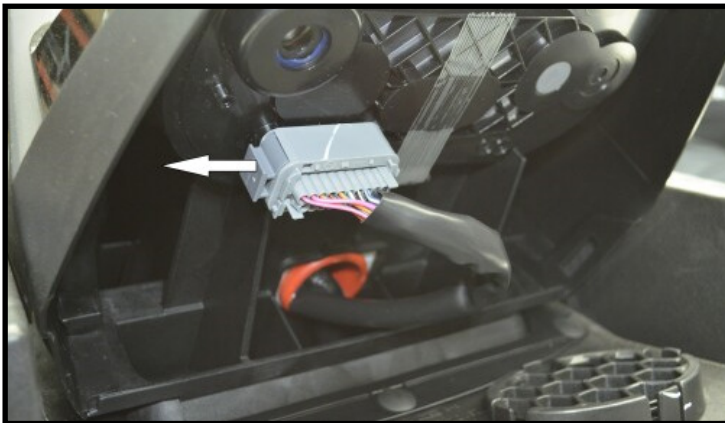
- INSTALLATION INSTRUCTIONS -

Figure 6



Release lock tab on gauge plug by pulling out from plug body. Remove plug. (Figure 7)

Figure 7



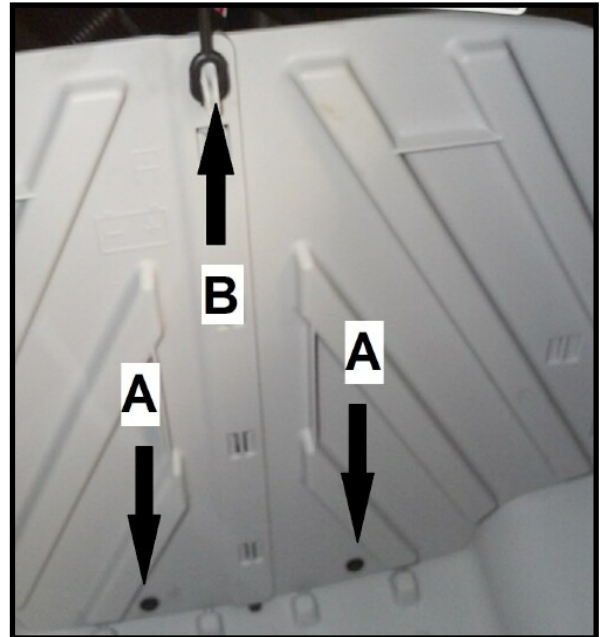
Tilt steering to maximum up position and use a flat blade screwdriver to depress the locking tabs and remove upper gauge housing with meter. (Figure 8)

Figure 8



Gauge Trim removal RXP-X Only : Open storage compartment. Remove plastic rivets (A) and retainer strap (B). Remove access cover. (Figure 9)

Figure 9



Remove center screw from gauge trim. (Figure 10)

Figure 10



Remove four screws (two each side) under mirror. Remove Gauge Trim by striking the front of the mirrors toward the rear. (Figure 11)

Fold rubber flap out to access steering column.

Figure 11

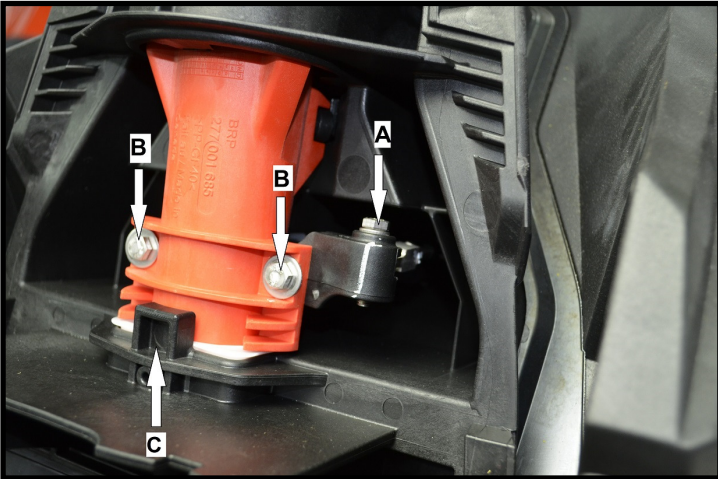


- INSTALLATION INSTRUCTIONS -

All models: Remove rubber grommet from top of OEM steering column to allow steering harness to drop through column.

Remove bolt (A) securing steering cable to steering arm. Remove two bolts (B) attaching steering arm to steering column. (Figure 12)

Figure 12



Pull steering column up and out of ski. Guide steering harness wires down through steering column during this process. Use care not to damage OTAS sensor and magnets. Remove OEM steering arm from ski. On RXT and GTX Models use a saw blade to cut off OEM plastic stop, (C) in figure 12.

Remove OTAS magnets from steering column by prying out with a thin bladed screwdriver and set aside for re-use. (Figure 13)

Figure 13



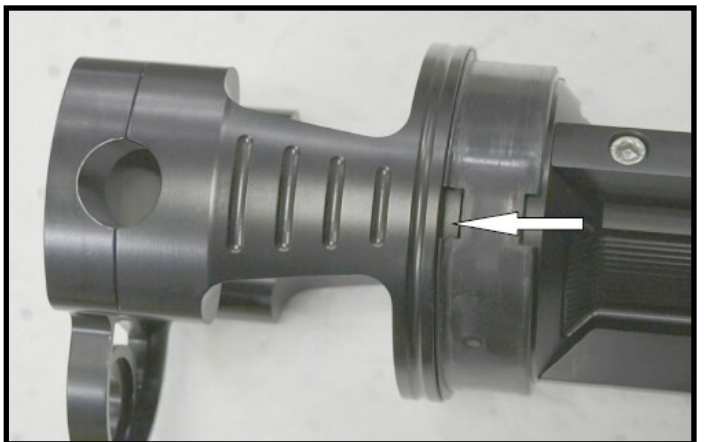
Install OEM OTAS magnets, previously saved, into RIVA steering column. (Figure 13) **Note: Be sure magnets are fully seated into column. It may be necessary to seat magnets with a soft mallet**

Figure 13



Remove OEM Plastic Bushing from OEM Steering and install onto supplied steering column. **Note: bushing has notches in upper surface. Be sure to align the notches with the corresponding bosses on the supplied steering column.** (Figure 14)

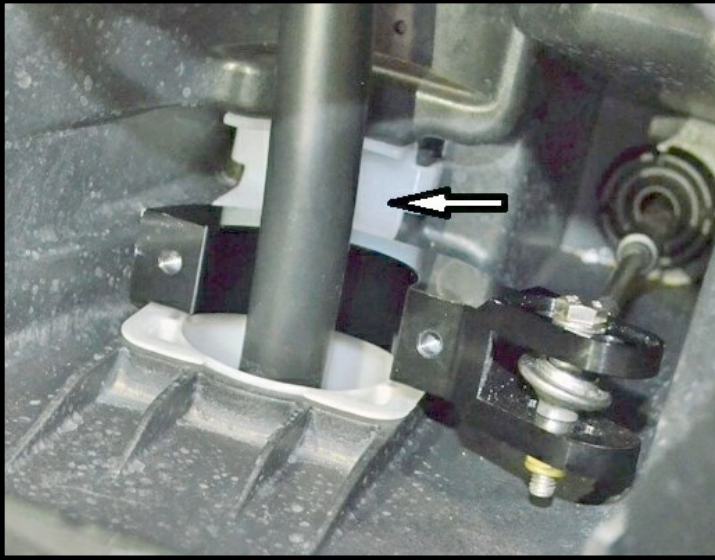
Figure 14



Remove steering arm from supplied steering column. Apply waterproof grease to steering arm and insert into guide groove in ski. (Figure 15)

- INSTALLATION INSTRUCTIONS -

Figure 15

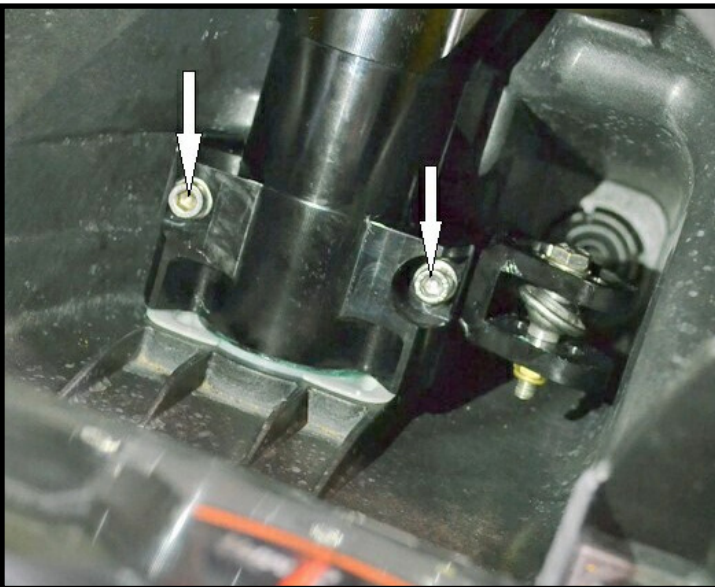


Remove rubber grommet from top of supplied steering column. Spray glass cleaner into center of supplied billet steering column. Feed electrical cables into steering column as you install steering column into craft.

Before completely installing steering column apply water-proof grease to plastic bushing and lower end of steering column. Install completely.

Secure steering arm to steering column using supplied hardware. **NOTE: Apply blue Loctite to threads. Torque bolts to 53 lbf•in / 6 N•m.** (Figure 16)

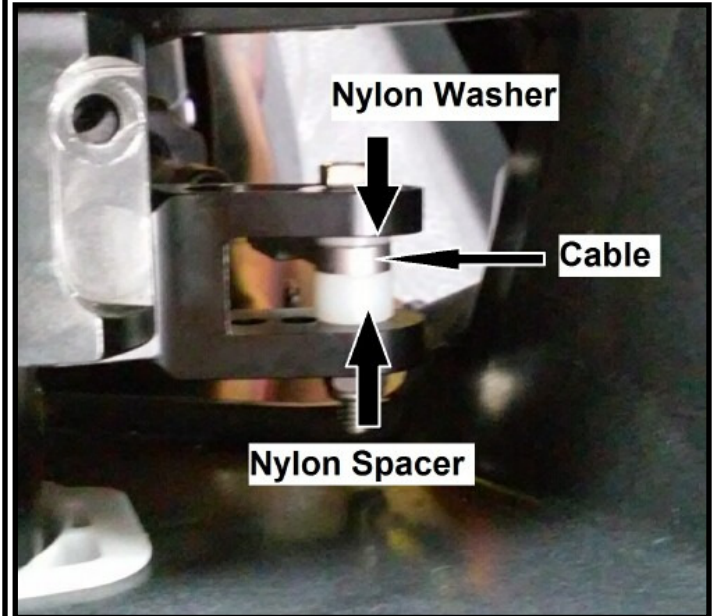
Figure 16



Attach steering cable to steering arm, using one of the bolts previously removed from the OEM steering arm and supplied stainless washers, nylon washer, nylon spacer, and nyloc nut. There are three sets of mounting holes in the arm. The center set is closest to OEM steering. Holes closer to the steering column give slower steering but require less steering effort. Holes farther away from the

steering column provide quicker steering but require more effort. **Note: Do not over tighten nut.** (Figure 17)

Figure 17



Install your preferred handlebar and controls following the instructions for those items.

Install safety switch into opening provided on upper handlebar clamp and secure with OEM nut. (Figure 18)

Figure 18



After installation of handlebars and controls is complete insert wires into proper hole(s) in supplied rubber grommet and install grommet into top of steering column. Fill holes with silicone sealer to prevent water entry.

Test steering and adjust centering using cable adjusters.

Re-install items removed to allow access for installation.

Check bilge for tools, rags, etc. Run craft on a flush kit 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@rivamotorsports.com.

Limited Warranty

RIVA Steering Systems 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.

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.

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