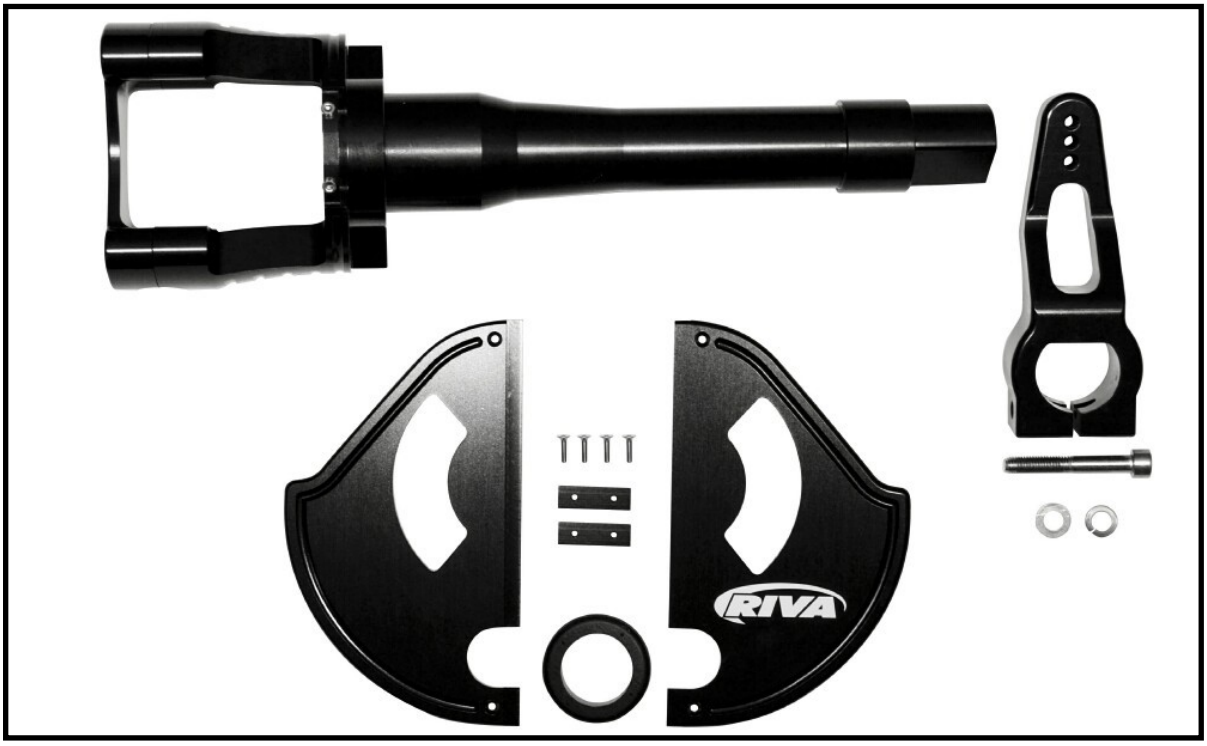
GP1800 Steering System

RY20110



Applications: Yamaha GP 1800 2017- , VXR/VXS 2015-

Approximate Installation Time: 1.5 Hrs.

Recommended Specialty Tools:	***Part #***
None	N/A

Required Materials:	***Part #***
Red Loctite	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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COMPONENT LIST

		QUANTITY	PART NUMBER	DESCRIPTION
A	☐	1		Steering Shaft Assy.
B	☐	1		Steering Arm
C	☐	1		Steering Cover Plate, Left
D	☐	1		Steering Cover Plate, Right
E	☐	4		3x10mm FHS
F	☐	2		Threaded Plate
G	☐	1		Grommet
H	☐	1	051.8.55	8x55mm SHCS
I	☐	1	369023SS	8 mm Flat Washer
J	☐	1	447.8	8 mm Lock Washer

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 -

Remove seats.

Open front storage compartment and remove rivets (5) retaining bow locker plate. Remove bow locker plate.

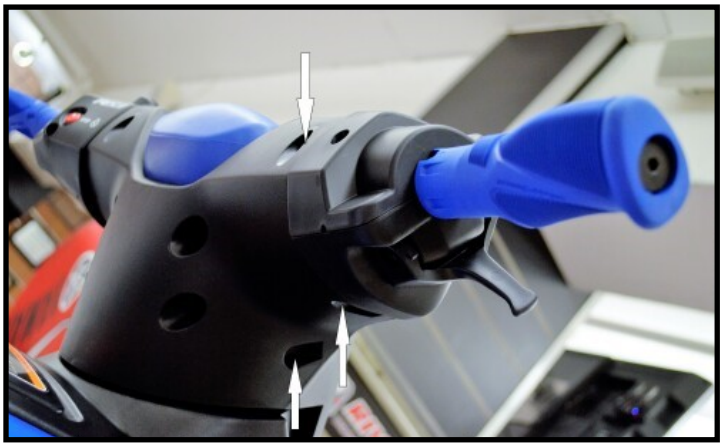
Open glove box hatch and remove glove box.

Remove screws retaining grips (4) and remove grips. (Figure 1)

Figure 1

Remove screws (6) holding front steering pad and remove front pad (Figure 2)

Figure 2



Remove screws (4) holding rear bar pad to steering stem and remove rear pad. (Figure 3)

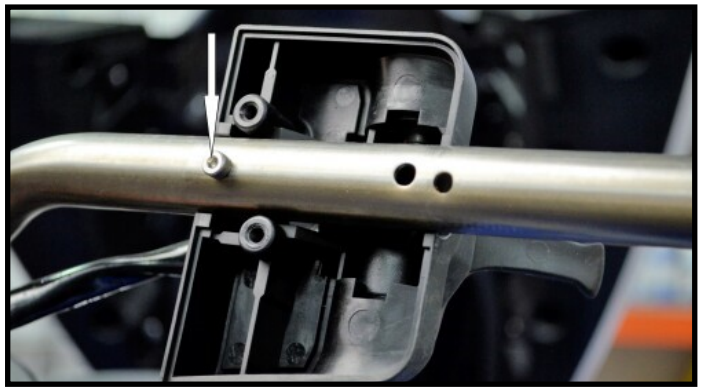
Figure 3

Remove screws (6) from control housings. (Figure 4)

Figure 4

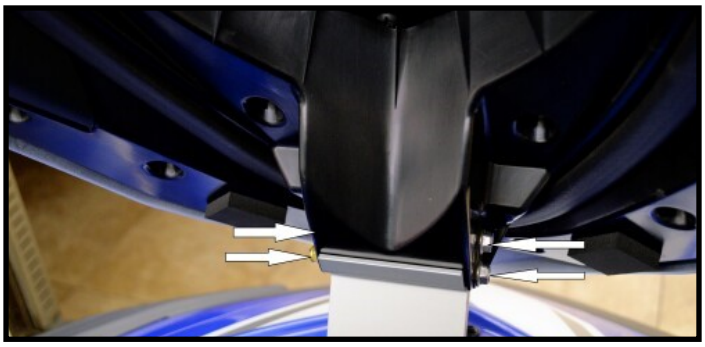
Open control housings and remove control housing locating screws (2). (Figure 5)

Figure 5



Remove bolts and nuts (2 each) holding front hatch cover to hinge and remove front hatch cover.. (Figure 6)

Figure 6



Remove screws (2) from L.H. Side Ornament. Remove ornament. (Figure 7)

Figure 7

- INSTALLATION INSTRUCTIONS -

Remove LH side decorative elements (2). (Figure 8)

Figure 8

Remove screw (1) and bolts (2) from L.H. Side Cover and remove Side Cover. (Figure 9)

Figure 9

Repeat procedure to remove RH Side Ornament, decorative elements and RH Side Cover.

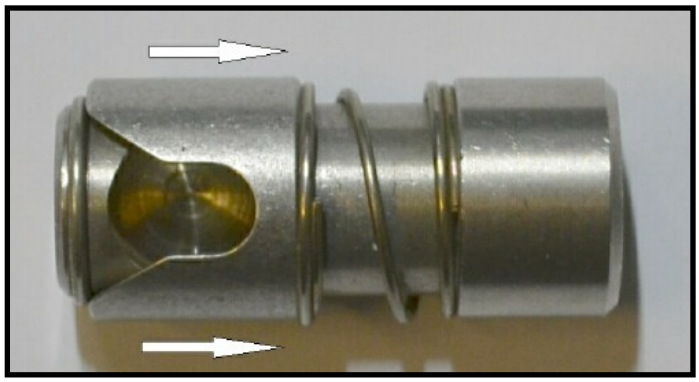
Remove bolts (6) holding center cover. (Two each side and two accessed from inside front hatch opening.) (Figures 10 and 11)

Figure 10

Figure 11

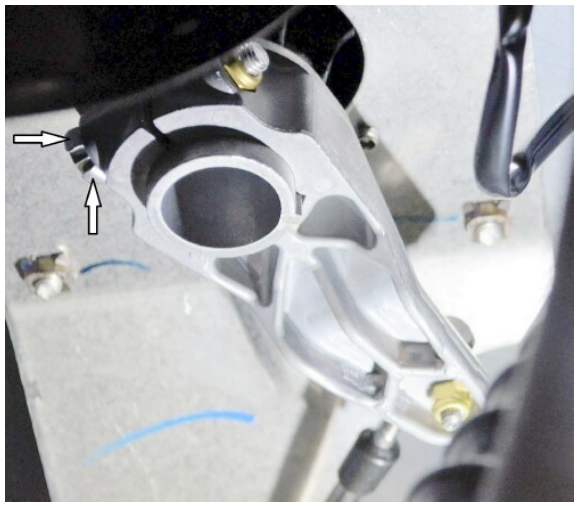
Grasp the spring loaded cover of the steering cable ball joint and push in the direction shown while lifting off ball stud on steering arm. (Figure 12)

Figure 12



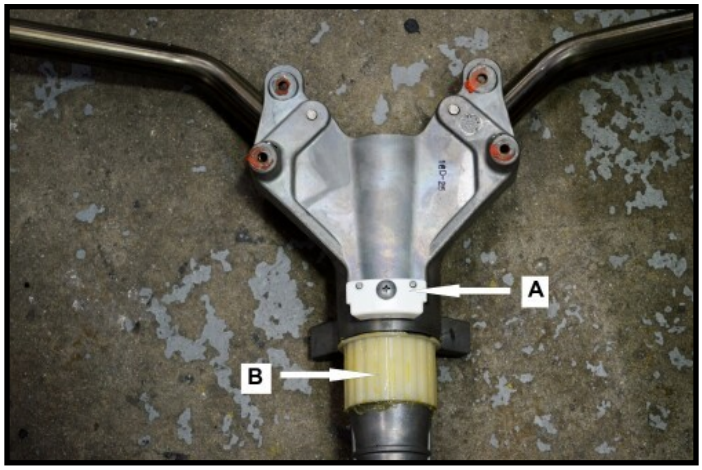
Bend down locking tabs and remove bolt from steering arm. (Take care not to drop nut into hull.) Remover steering arm from steering shaft. (Figure 13)

Figure 13



Remove steering shaft from craft. Remove supplied steering arm from Supplied steering shaft. Transfer magnets (A) and bushing (B) to supplied steering shaft. **Use red Loctite on magnet screws.** (Figure 14)

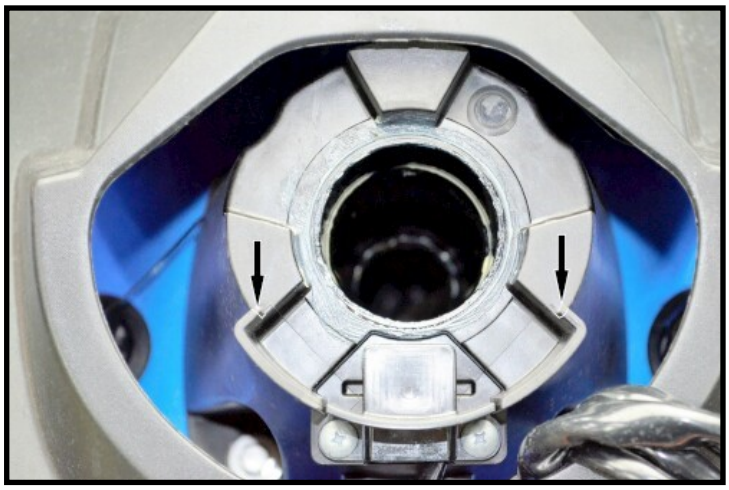
Figure 14



- INSTALLATION INSTRUCTIONS -

Trim 1/16” (1.5mm) from each of the flanges in the steering support as shown in Figure 15. **Tip: A sharp utility knife will work to trim these flanges.**

Figure 15



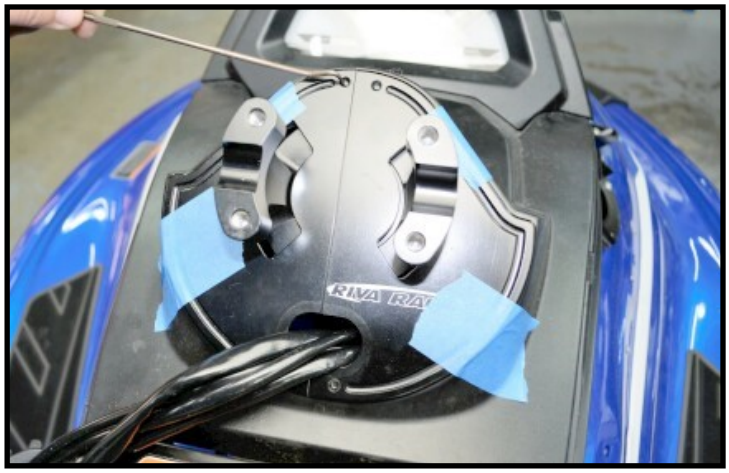
Insert supplied steering shaft into place. Be sure that flanges previously cut do not rub on the steering shaft when it is turned.

Position center cover assembly in place and temporarily install four bolts to locate cover. (Refer to Figure 10)

Slip the cover plate halves down over the steering and position on center cover. Take some time to assure the plates are centered side to side and fore and aft. Rotate the steering shaft and verify that it remains centered in the slots in the cover plate in all positions. **Tip: Use masking tape to temporarily hold cover halves in place while adjusting to center.**

Using a sharp scribe mark the locations of the holes on the center cover. (Figure 16)

Figure 16



Remove cover plate. Remove screws (4) locating center cover and remove center cover.

Drill 5/32” (4mm) holes centered on each marked location.

Place steering cover plate in place using screws to locate.

Using a sharp scribe mark center cover where it protrudes into slot at top right of cover plate. (Figure 17)

Figure 17

Remove cover plate and trim center cover to clear opening in cover plate.

Install left half of cover plate using supplied screws and threaded plate. **Do not tighten screws yet**. Install screws in right side holes. Tighten screws in left cover plate and right side holes. (Figure 18)

Figure 18

Install center cover with installed left cover plate into place. Locate by installing center cover bolts (6) (Refer to figures 10 and 11.) **Do not tighten bolts.**

Cut supplied rubber grommet as shown. (Figure 19)

Figure 19

- INSTALLATION INSTRUCTIONS -

Install cut grommet over control cables and into left steering cover plate.

Remove screws from right side steering cover plate holes and install right side steering cover plate. **Apply red Loctite to screws.** Tighten screws. **Remove left side cover plate screws apply red Loctite and retighten.** (Figure 20)

Figure 20

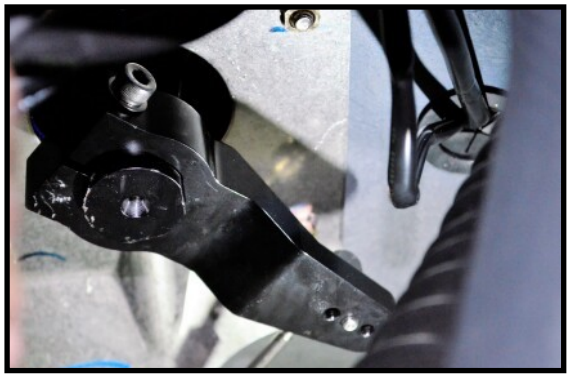
Remove ball stud from OEM steering arm. Transfer to supplied steering arm as shown. **Install with red Loctite.** OEM locknut is not used. **Note: three positions are provided for installation. Center position duplicates OEM steering. Installing ball stud closer to shaft enables faster steering response farther out enables slower steering response.** (Figure 21)

Figure 21

Install steering arm onto steering shaft. **Note: Steering arm locates shaft vertically. Arm should fit snugly against lower steering bushing to prevent up and down motion of steering shaft. Shaft should turn freely.**

Install retaining screw and steering cable. (Figure 22)

Figure 22



Install handlebar and controls following instructions for those items.

Verify steering travel and centering. Adjust steering using cable adjusters as necessary.

Tighten bolts (6) locating center panel. (refer to figures 10 and 11)

Reinstall parts previously removed reversing removal procedures.

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.