



## **VX110 Deluxe Bilge Pump Kit** **PART# - RY1016VX**

**APPLICATIONS:** VX110 Sport & Deluxe

### **Required tools**

Medium sized pliers

1" hole saw bit

(A standard drill bit and Dremel® or porting tool can be substituted)

Silicone sealant

Shop vacuum

### **Part#**

N/A

N/A

ACC-QUICK-GS-KT

N/A

## **- INSTALLATION INSTRUCTIONS -**

1. Remove wrist lanyard and disconnect negative battery cable only from battery.
2. Locate the drive shaft thru-hull carrier in the rear section of the craft. Remove the two M8 hex head bolts on the right side. (see illustration #1)
3. Install one end of supplied flex hose onto bilge pump and secure with one supplied hose clamp. **NOTE: Do not over tighten hose clamp.**
4. Mount bilge pump assembly bracket to drive shaft thru-hull carrier cap and secure using the two supplied M8 x 55mm socket head cap bolts. (see illustration #2) **NOTE: Use blue Loc-tite on threads. Do not over tighten bolts.**
5. Feed bilge pump ground wire connector through negative battery cable connector cover. (see illustration #3)
6. Apply a thin coating of dielectric grease to cable connectors. Secure to battery using supplied M6 x 16mm hex head bolt. **NOTE: Install main ground wire first; bilge ground wire second.** Slide battery cable connector cover over terminal. (see illustration #4)
7. Route bilge pump positive wire forward along right side of craft inline with stock wiring harness until it reaches stock electrical box assembly. (see illustration #'s 4, 5 & 6)
8. Locate the rear most relay box connector. Isolate the red wire with a yellow stripe. (see illustration #6)
9. Approximately 1" away from stock wiring harness connector slide the supplied wire splicer onto the red wire with a yellow stripe. (see illustration #7) **NOTE: Do not crimp onto wire yet. Do not remove waterproofing gel from splicer.**
10. Insert bilge pump positive wire into open slot on supplied wire splicer. (see illustration #8) **NOTE: Do not install wire so far that end sticks out of wire splicer. Do not remove waterproofing gel from splicer.**
11. Using a pair of pliers carefully crimp splicer. Tug on wires to ensure proper installation. Snap wire splicer cover into place. (see illustration #9)
12. At rear of craft drill a 1" I.D. hole 4-1/2" below stern eye. Install supplied bilge outlet fitting. (see illustration #10) **NOTE: Apply silicone sealant to underside of fitting flange and onto threads.**
13. Install loose end of bilge flex hose onto bilge outlet fitting and secure using supplied hose clamp. **NOTE: Do not over tighten hose clamp.**
14. Attach wrist lanyard and start craft to ensure bilge pump operates. Bilge pump will run for approximately 30 seconds after removing wrist lanyard or stopping engine.

***Remember, the water belongs to everyone. Please ride responsibly!***

## 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](mailto:tech_support@rivamotorsports.com)

### 90-day Limited Warranty

RIVA VX110 Deluxe Bilge Pump Kits carry a 90-day 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 must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.

## **- INSTALLATION IMAGES -**

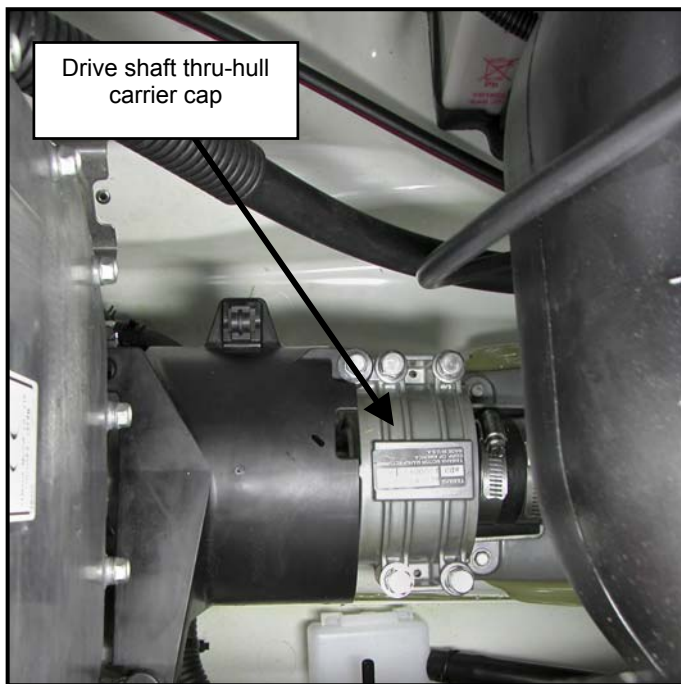


Illustration #1



Illustration #2

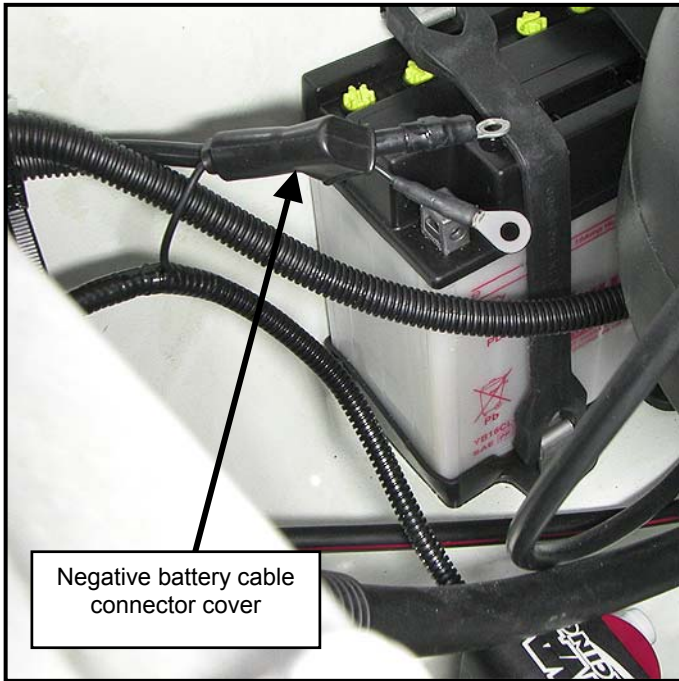


Illustration #3



Illustration #4



Illustration #5

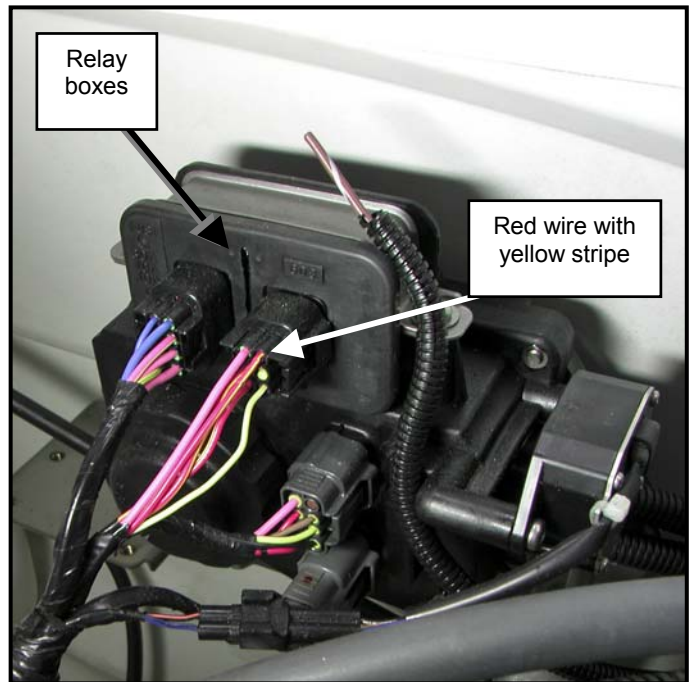


Illustration #6

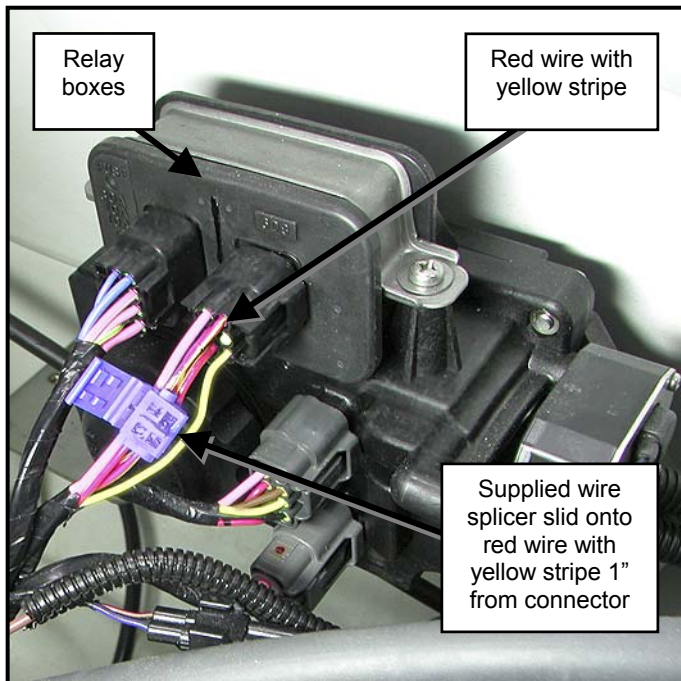


Illustration #7

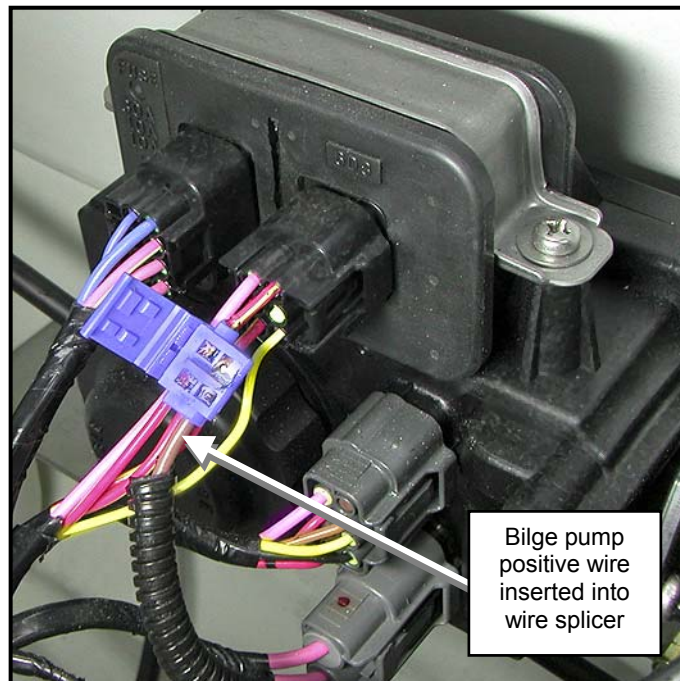


Illustration #8

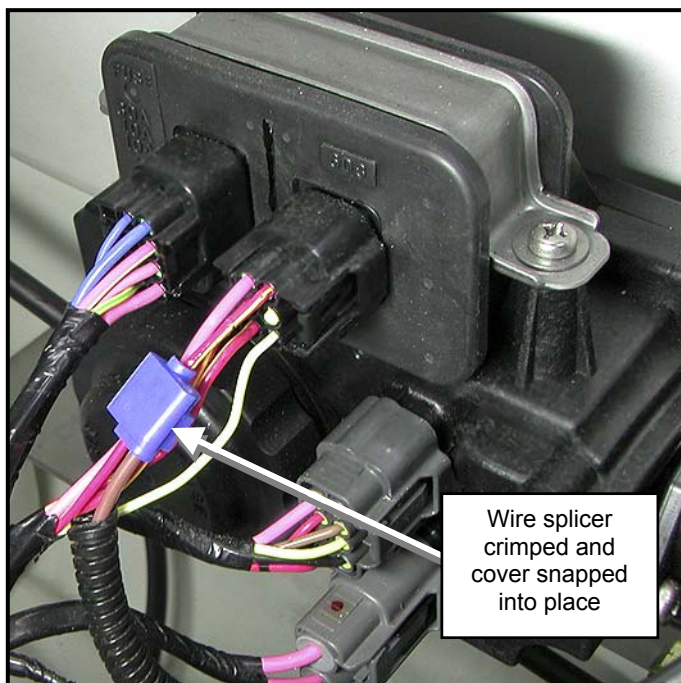


Illustration #9



Illustration #10