



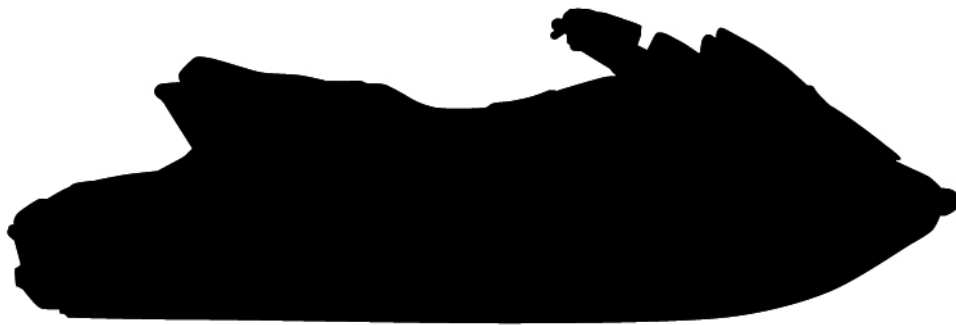
**RIVA RACING**  
PERFORMANCE PRODUCTS & ACCESSORIES

**Sea-Doo Performance Power Filter Kit**  
**PART# - RS13050-06-1**

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 point form and refer to illustrations. Please follow these step-by-step instructions and illustrations carefully.

**NOTE:** These installation instructions are broken up into 2 booklets.

**This booklet is for RXT-X  
255hp, RXT 215hp & GTX  
Supercharged 215hp  
applications.**



For RXP-X 255hp or RXP 215hp please refer to other booklet.

# **- INSTALLATION INSTRUCTIONS -**

## **Required tools**

Star Hex Bit Set  
Star Socket Set  
5/16" Drill Bit

## **Part#**

RS35187  
RS09531  
N/A

**\*\*\* NOTE: Allow craft's engine to cool thoroughly before performing installation. \*\*\***

1. Remove seats. Remove engine coolant tank from mounting location.
2. Remove hull deck beam (4 bolts total). (see illustration #1 & 2)
3. Remove exhaust hose connecting water box (muffler) to exhaust baffle. (see illustration #3) **RXT-X Only:** Remove hoses between intercooler and engine (2). (see illustration #3) Place clean rags in openings left when hoses were removed. **NOTE: Mark hoses to identify location and direction.**
4. At OE air intake tube located under intake manifold loosen clamps at both ends and disconnect hoses. Disconnect engine breather hose. (see illustration #4 & 5)
5. Inside front of craft locate and disconnect regulator/rectifier electrical connectors. (see illustration #6) **`06 & Older Models:** It will be necessary to remove the storage compartment hatch to access the regulator/rectifier. Carefully remove the plastic rivets (11 total) to remove hatch. (see illustration #7)
6. Remove front section of air intake system from craft completely.
7. Remove regulator/rectifier from air intake and install onto supplied aluminum bracket using supplied hardware (M6 x 35mm socket head cap bolts, M6 flat washers and M6 nylock nuts). (see illustration #8)
8. Mount regulator/rectifier bracket:  
**`08 & Newer Models:**
  - 8.1. Inside front of craft remove the four hex head bolts (3 exposed/1 recessed in hull) securing chrome accent piece to outside of hull on right side below steering. (see illustration #9)
  - 8.2. Carefully remove accent piece by pulling down and lifting outward. (see illustration #10)
  - 8.3. Cut supplied template out of page 9. Insert three bolts into solid dots on paper template. Place template onto outside of hull. (see illustration #10)
  - 8.4. Mark hole to be drilled. (see illustration #10) **NOTE: Make sure three bolts are centered in holes.**
  - 8.5. Drill 5/16" hole in hull.
  - 8.6. Mount regulator rectifier bracket to inside of hull using supplied hardware (M8 bolt, M8 washers and M8 nylock nut). (see illustration #11). **NOTE: Do not over tighten.**
  - 8.7. Replace chrome accent piece. **NOTE: Do not over tighten bolts.** Reconnect regulator/rectifier to wiring harness.**`07 Models:** Install regulator/rectifier bracket at right side of battery tray location (between fuel tank and engine). (see illustration #12)  
**`06 & Older Models:** Install regulator/rectifier bracket onto backside of front storage compartment hatch with supplied hardware (M8 bolt, M8 washers and M8 nylock nut). (see illustration #13). **NOTE: Bolt hole location is critical. Refer to illustration #13 for placement of regulator/rectifier.**
9. **`07 Models Only. `09, `08 and `06 & Older Models Proceed to Step 10.**
  - 9.1. It is necessary to modify the stock wiring harness so the connectors will reach the regulator/rectifier. Pull wiring for regulator/rectifier connectors out of wiring harness split lumen sheathing until connectors reach regulator/rectifier mounting location.
  - 9.2. Wrap regulator/rectifier wiring with supplied split lumen and secure with electrical tape at both ends.
  - 9.3. Secure wiring harness split lumen sheathing with electrical tape. Reconnect regulator/rectifier to wiring harness.
10. Remove air tube under intake manifold through front of craft. Remove air inlet hose from supercharger. (see illustration #5) Retain hose clamps for installation portion. **`06 & Older Models:** Reconnect regulator/rectifier and replace storage compartment hatch.
11. Remove bolts securing intake manifold to cylinder (7 total). (see illustration #14) Carefully pull intake manifold away from cylinder 1/2~3/4". Lift spark plug coils off of spark plugs, but do not remove.

12. Install supplied silicone coupler completely onto curved end of supplied Power Filter Tube (end with RIVA logo). Loosely install one OE clamp over coupler. Loosely install one OE clamp onto supercharger outlet.
13. At rear of engine insert Power Filter Tube into hull under intake manifold side of engine. While guiding Power Filter Tube into hull lift upward on intake manifold enough to allow clearance for Power Filter Tube.
14. Replace intake manifold making sure bottom mounts (2) are properly seated on mounting grommets and oil dip stick tube is in place. Secure intake manifold bolts. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts.**
15. Secure spark plug coils onto spark plugs.
16. At the drive shaft thru-hull rotate the rear-most hose clamp 90-degrees. (see illustration #15)
17. At front of engine locate oil filler tube. At bottom of filler tube (oil pump) remove two bolts securing oil pump to engine block. (see illustration #16)
18. At front of engine on Power Filter Tube loosely install supplied aluminum bracket using supplied hardware (#10-32 x 1/2" bolts, #10 lock washers & #10 flat washers). (see illustration #17) **NOTE: Apply blue Loc-tite to bolts.**
19. Loosely mount bracket to engine (oil pump) using OE bolts. **NOTE: Apply blue Loc-tite to bolts.**
20. At supercharger slide Power Filter Tube coupler onto supercharger outlet. (see illustration #18) Secure hose clamps. **NOTE: Do not over tighten clamps.**
21. Secure Power Filter Tube bracket bolts. **NOTE: Do not over tighten bolts.**
22. Attach engine breather hose to fitting on Power Filter Tube and secure with OE clamp. (see illustration #19) **NOTE: Do not over tighten clamp.**
23. Install supplied pre-filter onto supplied Power Filter. Install Power Filter onto Power Filter Tube and secure clamp. (see illustration #19) **NOTE: Do not over tighten clamp.**
24. Replace parts applicable to your craft that were removed during step #'s 2~3. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts. Do not over tighten clamps.**
25. Check bilge for tools, rags, etc. Start craft and run using flush kit to check for exhaust leaks at connecting points of Free Flow Exhaust Kit. Do not run craft out of water for more than two minutes at a time.

***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).

### **Limited Warranty**

RIVA Power Filter Kits carry a one-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.

## - INSTALLATION IMAGES -

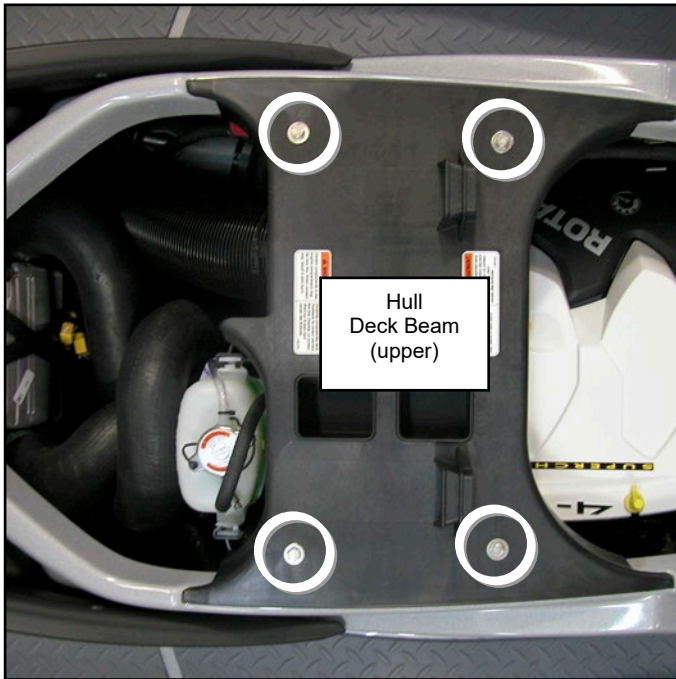


Illustration #1



Illustration #2

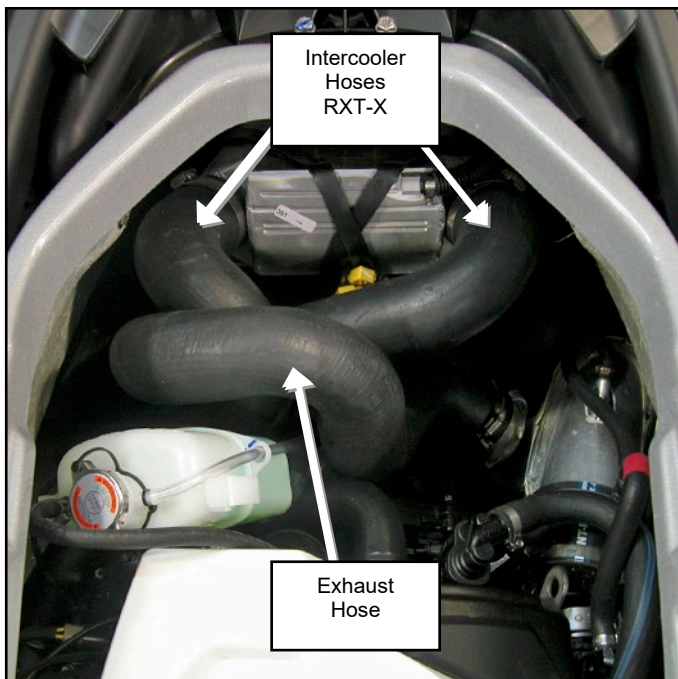


Illustration #3

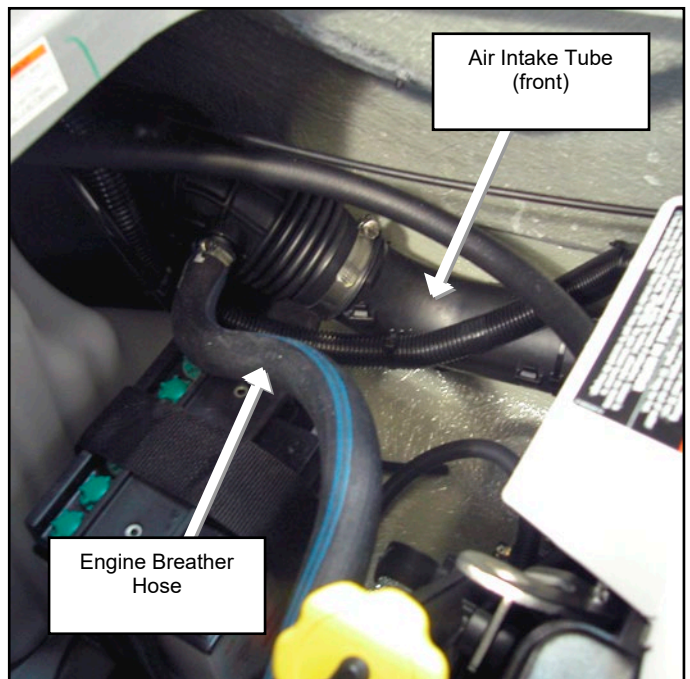


Illustration #4



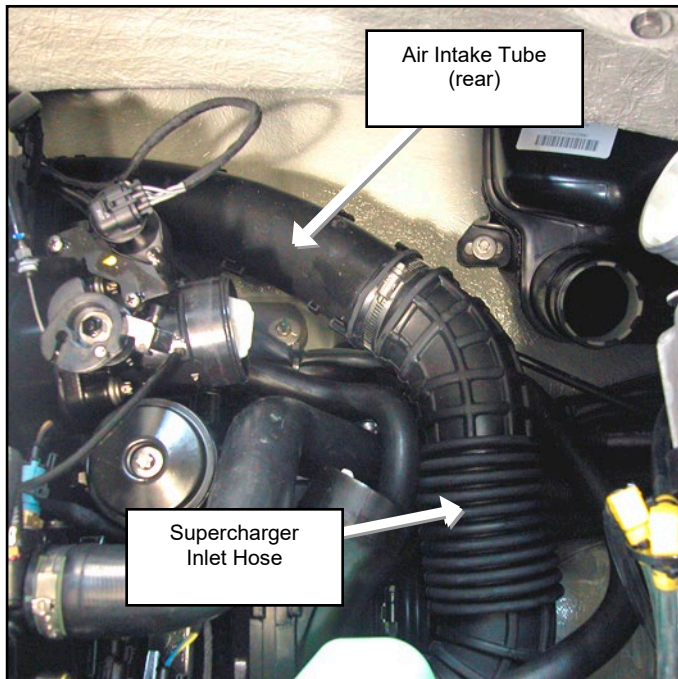


Illustration #5

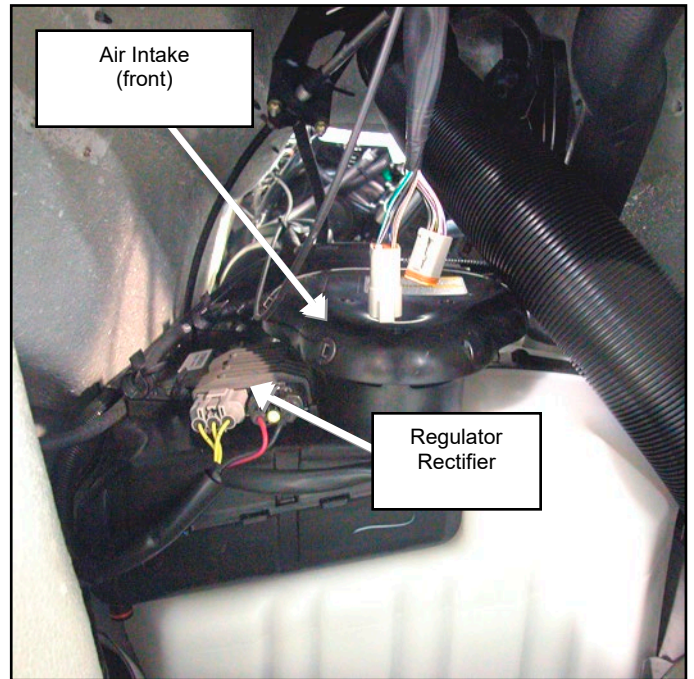


Illustration #6

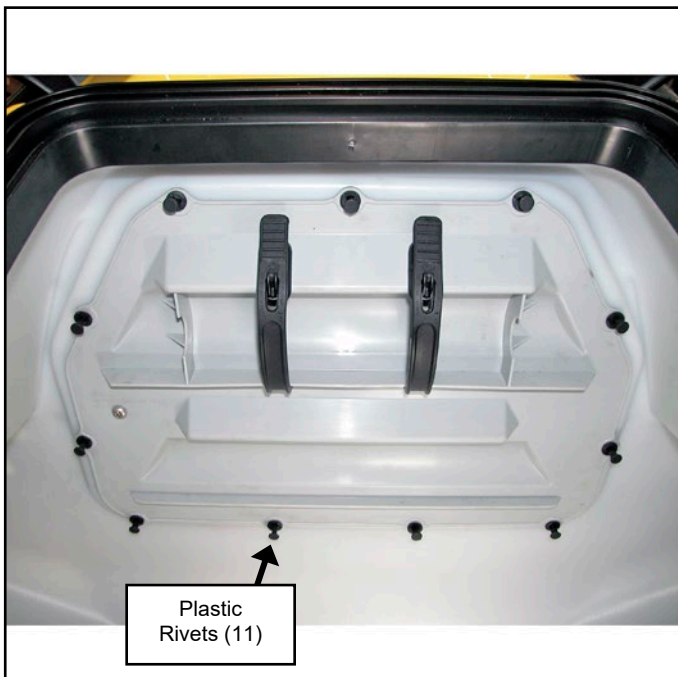


Illustration #7

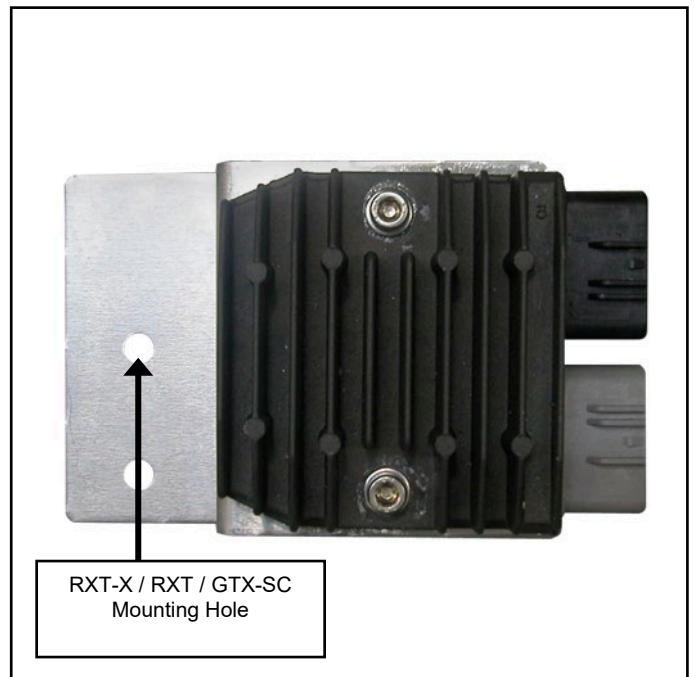


Illustration #8

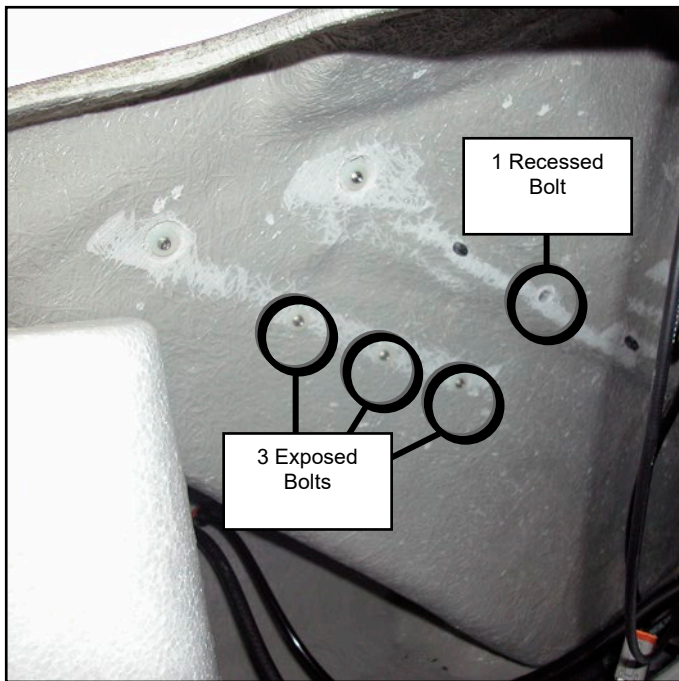


Illustration #9

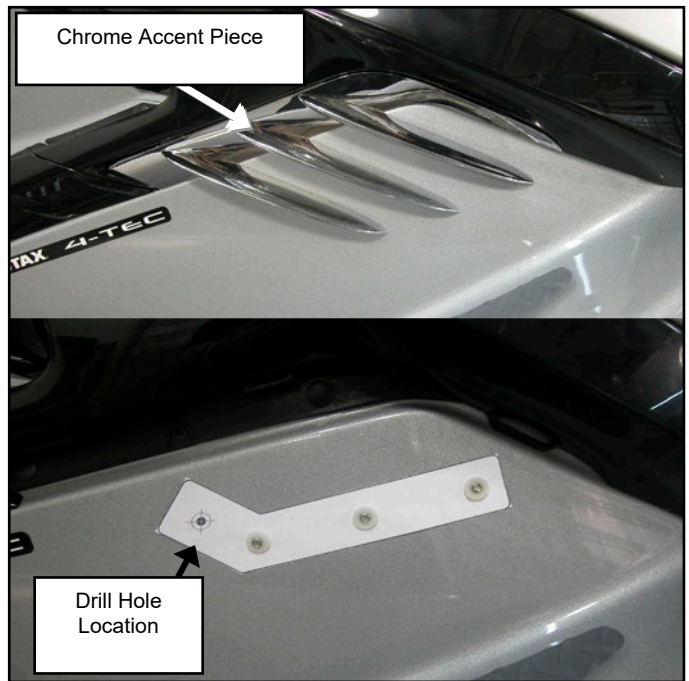


Illustration #10



Illustration #11

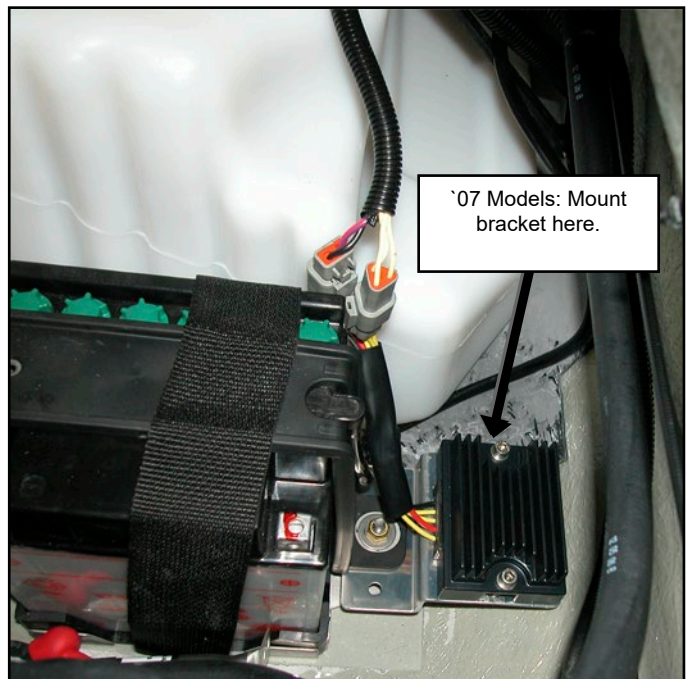


Illustration #12





Illustration #13

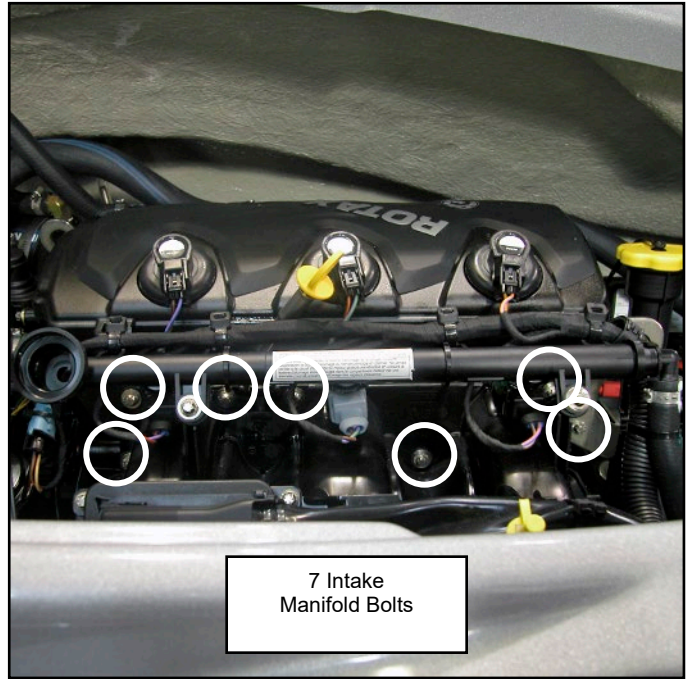


Illustration #14

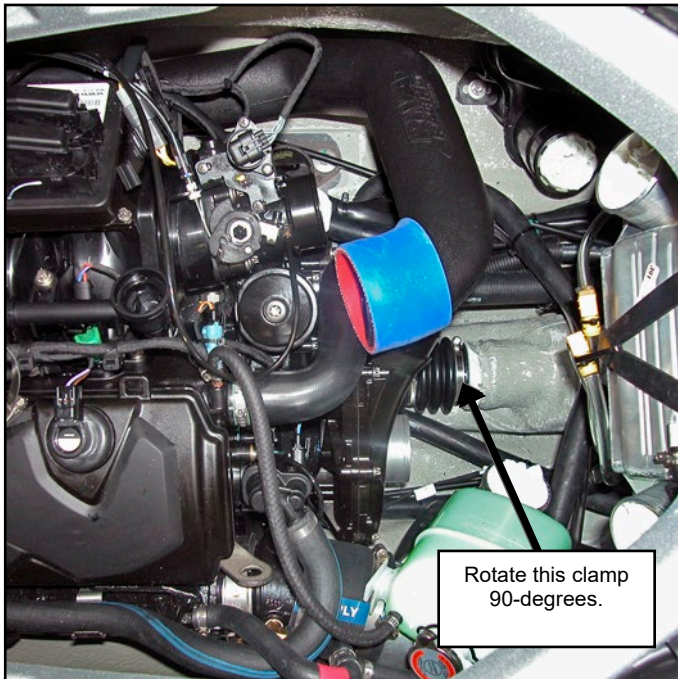


Illustration #15

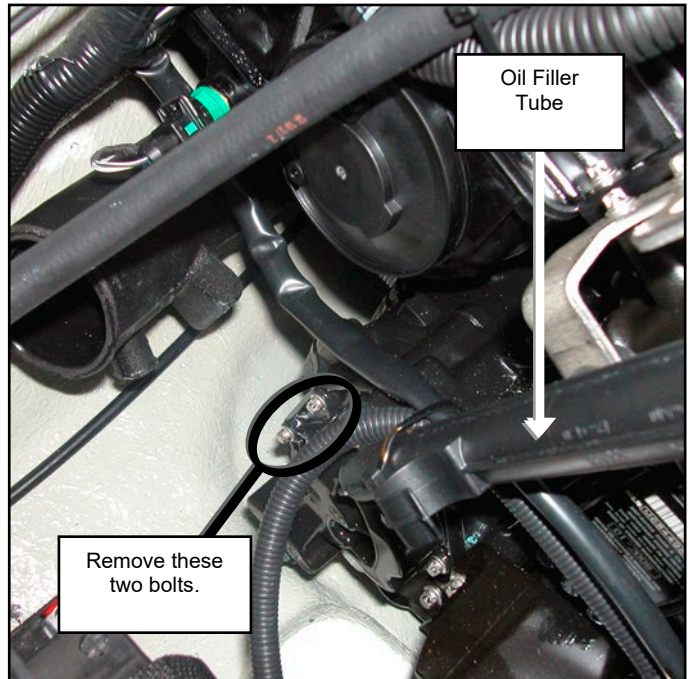


Illustration #16



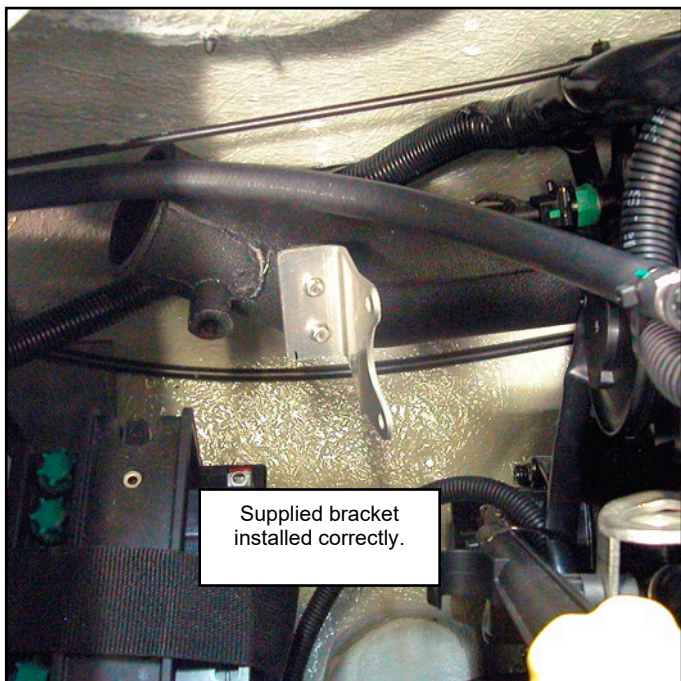


Illustration #17

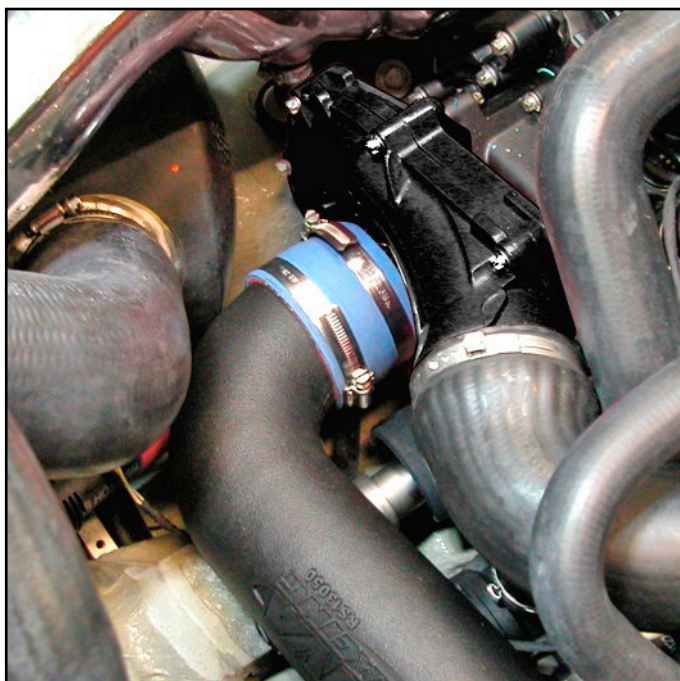


Illustration #18

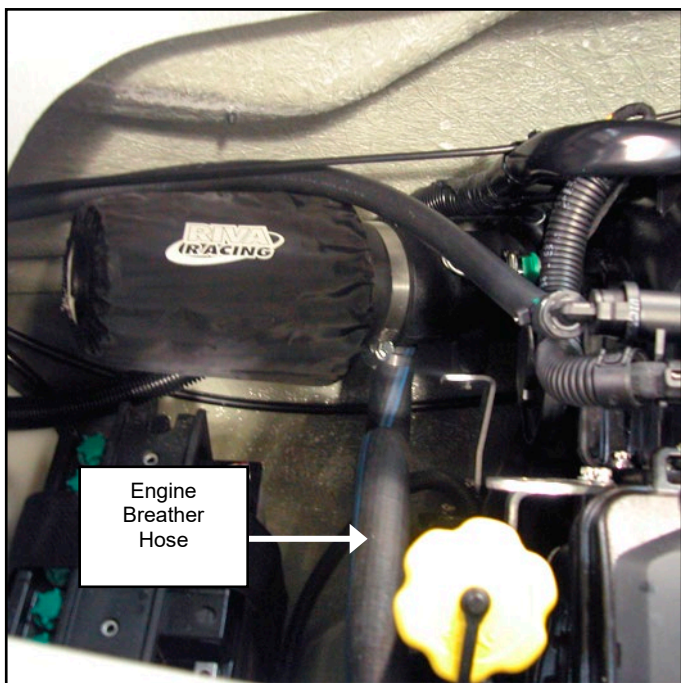
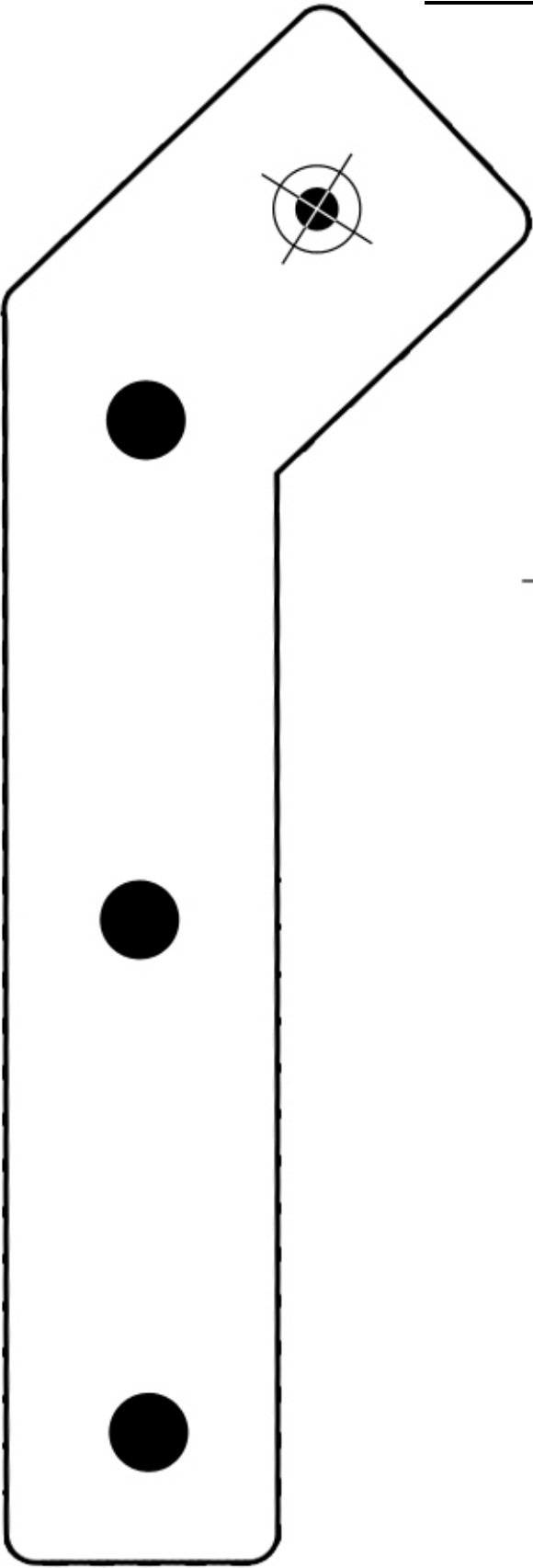


Illustration #19



**RXT-X Template**



**LOCATION TO DRILL 5/16" HOLE.**



**EXISTING HOLES FOR  
DECORATIVE SIDE COVERS.**