



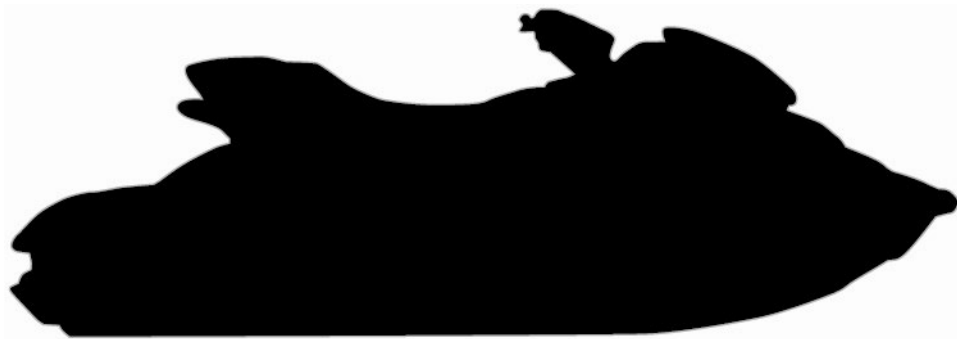
RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

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 RXP-X
255hp and RXP 215hp
applications.**



**For RXT-X 255hp, RXT 215hp or GTX
Supercharged 215hp please refer to
other booklet.**

- INSTALLATION INSTRUCTIONS -

Required tools

Star Hex Bit Set
Star Socket Set

Part#

RS35187
RS09531

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

1. Remove seat. Remove engine coolant tank from mounting location.
2. Remove engine cowling (5 bolts total). (see illustration #1)
3. Remove exhaust hose connecting water box (muffler) to exhaust baffle. (see illustration #3) **RXP-X Only:** Remove intercooler outlet hose from intercooler to access exhaust baffle. (see illustration #2)
4. **RXP-X Only. RXP Models Proceed to Step 5.** 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.**
5. 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)
6. Inside front of craft locate and disconnect regulator/rectifier electrical connectors. (see illustration #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 #7)
8. Mount regulator/rectifier bracket:
 - `09 Models: 1. At right side of lower hood cowling remove the plastic side cover. (see illustration #8)
 - 2. Where the hull is visible through the hood cowling drill a 5/16" hole dead center. (see illustration #9)
 - 3. Mount regulator/rectifier bracket to inside of hull using supplied M8 bolt, M8 washers and M8 nylock nut. (see illustration #10)
 - 4. Replace plastic side cover.
- `08 Models see illustration #12.
- `07 & Older Models see illustration #13.
9. **`08 Models ONLY. `07 & 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. Carefully unwrap the electrical tape and slice open the protective sheathing securing the regulator/rectifier connectors where they are spliced into the wiring harness. (see illustration #12)
 - 9.2. Cut the supplied split loom sheathing in half. Separate the regulator/rectifier wires from the other wires. Place one half around the regulator/rectifier wires and the other around the exposed wiring harness. (see illustration #14) Secure using electrical tape.
10. Reconnect regulator/rectifier to wiring harness. **`08 models:** Replace vent tube in clip on hull.
11. Remove air tube under intake manifold through rear of engine compartment. Remove air inlet hose from supercharger. (see illustration #5) Retain hose clamps for installation portion.
12. Install supplied silicone coupler completely onto curved end 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. (see illustration #15)
14. At the drive shaft thru-hull rotate the rear-most hose clamp 90-degrees. (see illustration #15)
15. 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)
16. 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.**
17. Loosely mount bracket to engine (oil pump) using OE bolts. **NOTE: Apply blue Loc-tite to bolts.**
18. At supercharger slide Power Filter Tube coupler onto supercharger outlet. (see illustration #18) Secure hose clamps. **NOTE: Do not over tighten clamps.**
19. Secure Power Filter Tube bracket bolts. **NOTE: Do not over tighten bolts.**

20. Attach engine breather hose to fitting on Power Filter Tube and secure with OE clamp. (see illustration #19) **For '06 & Newer Models** it will be necessary to remove 6" from end of OE hose and add the supplied formed extension hose in order to reach Power Filter Tube. **NOTE: Do not over tighten clamps.**
21. 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.**
22. Replace parts applicable to your craft that were removed during step #'s 2~4. **NOTE: Apply blue Loc-tite to bolts. Do not over tighten bolts. Do not over tighten clamps.**
23. 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.

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 -

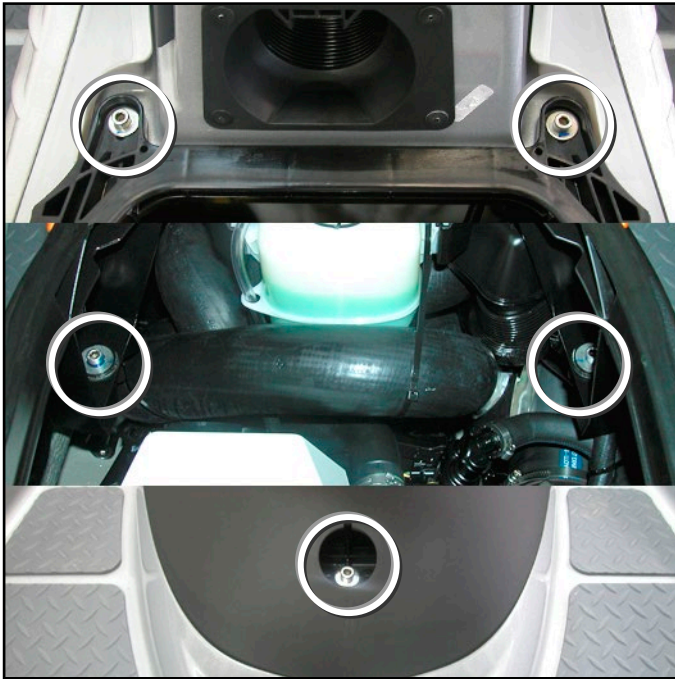


Illustration #1

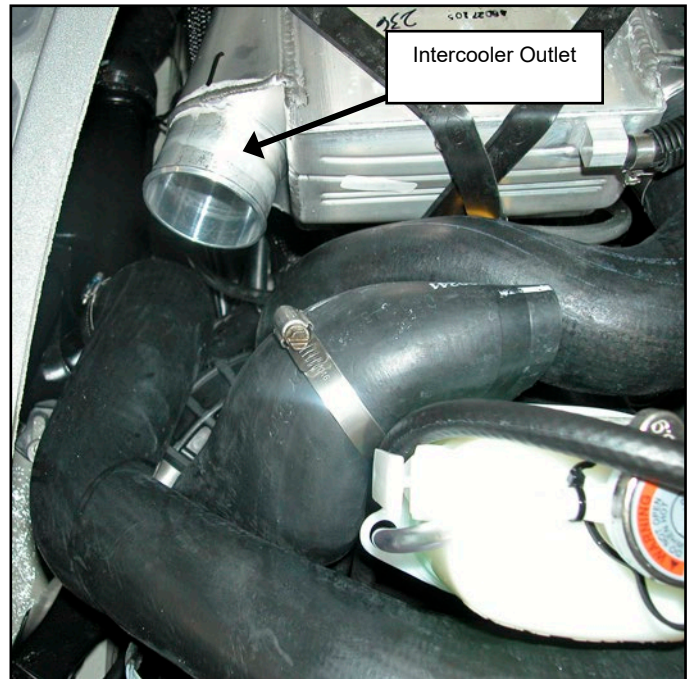


Illustration #2

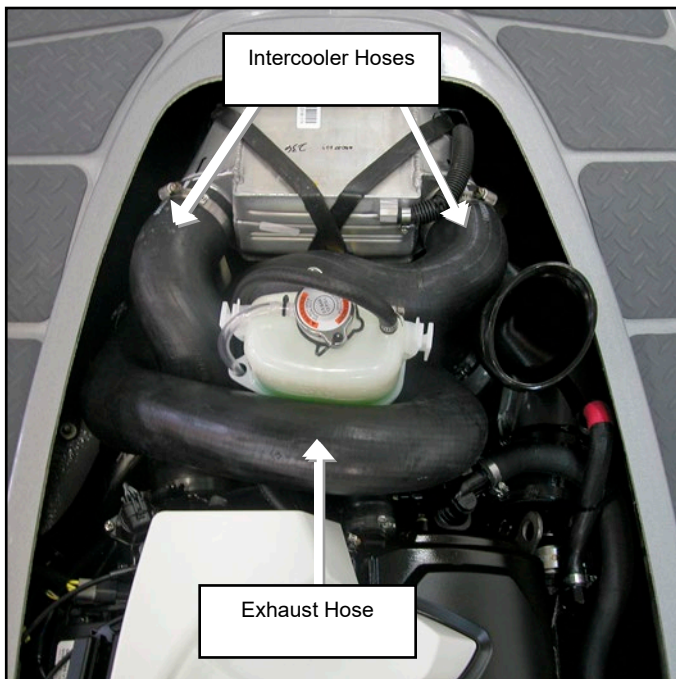


Illustration #3

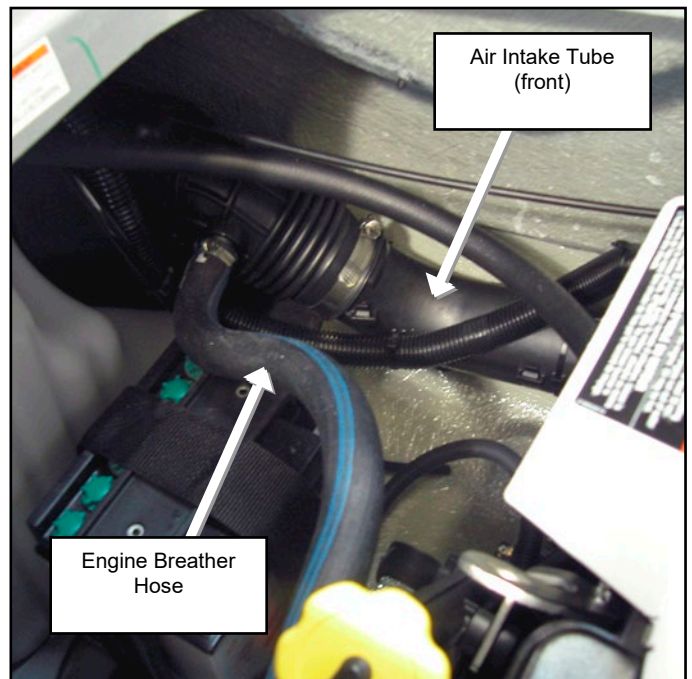


Illustration #4

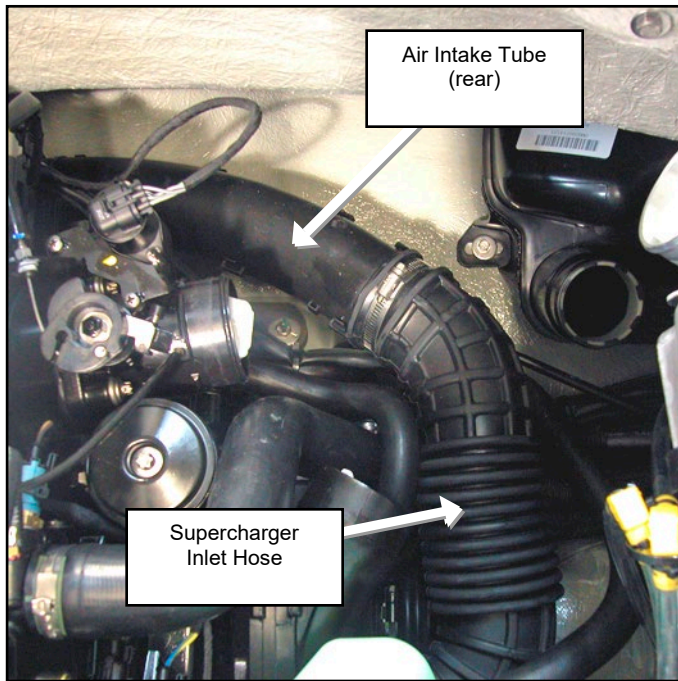


Illustration #5

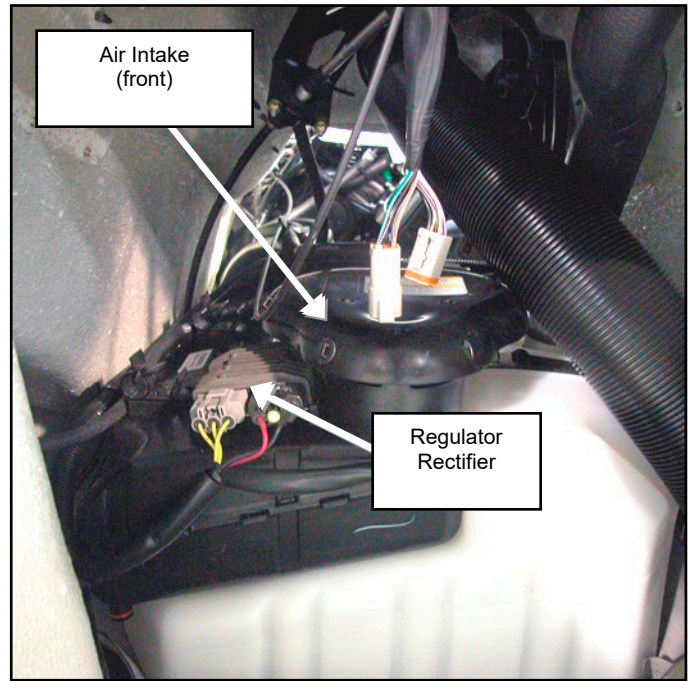


Illustration #6

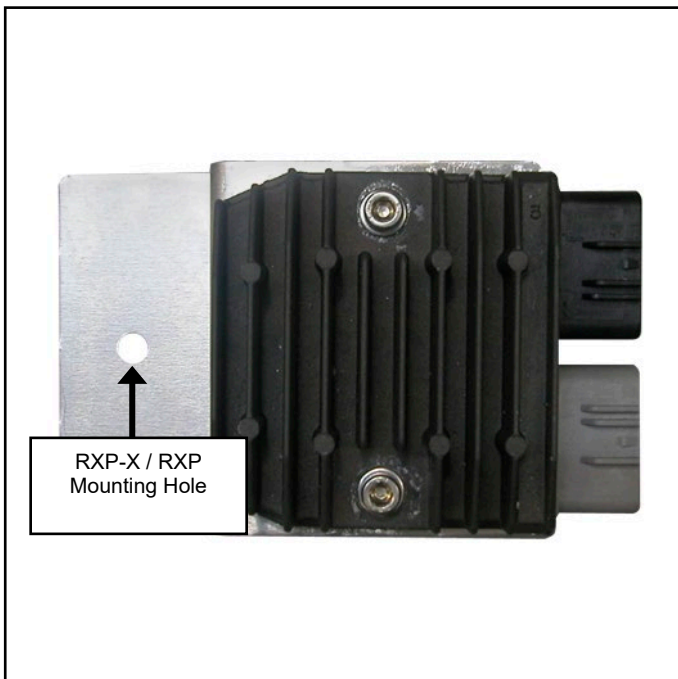


Illustration #7

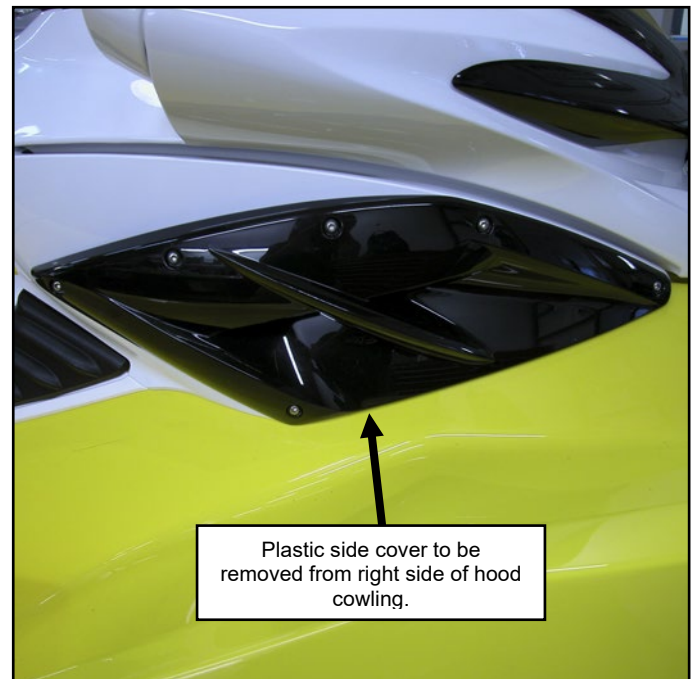


Illustration #8

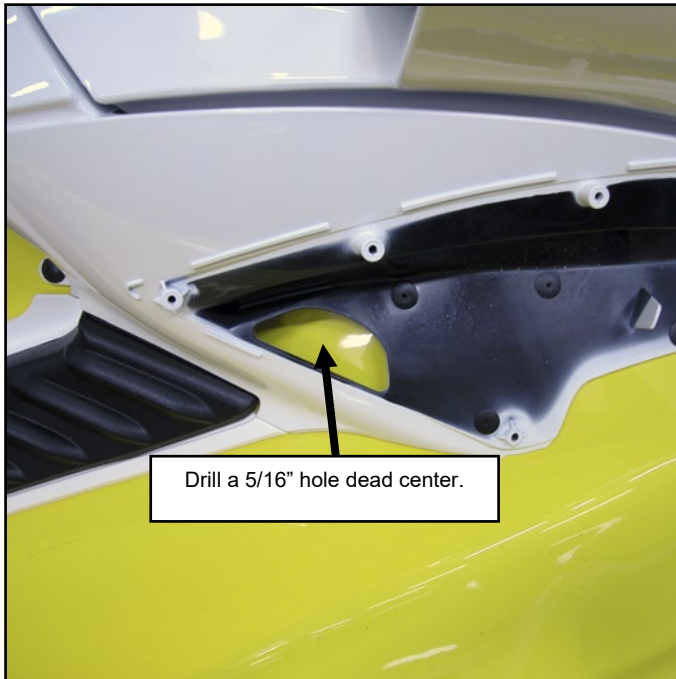


Illustration #9



Illustration #10

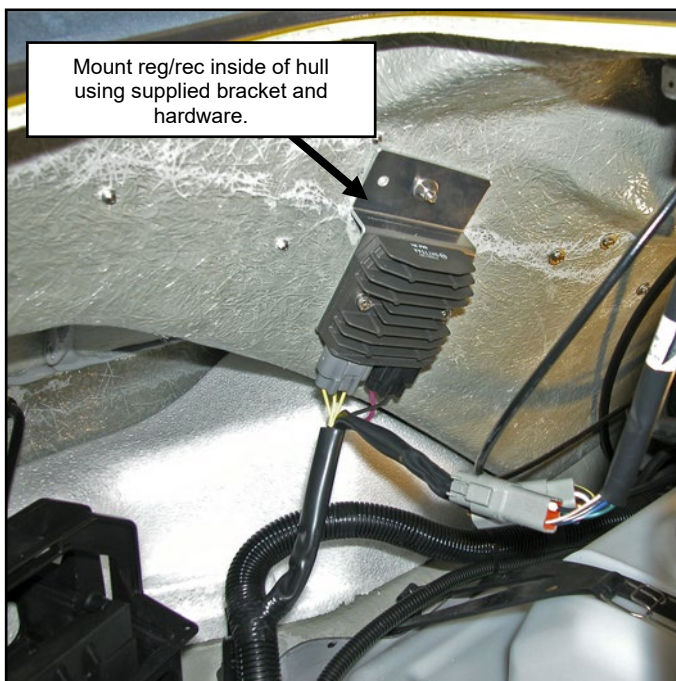


Illustration #11

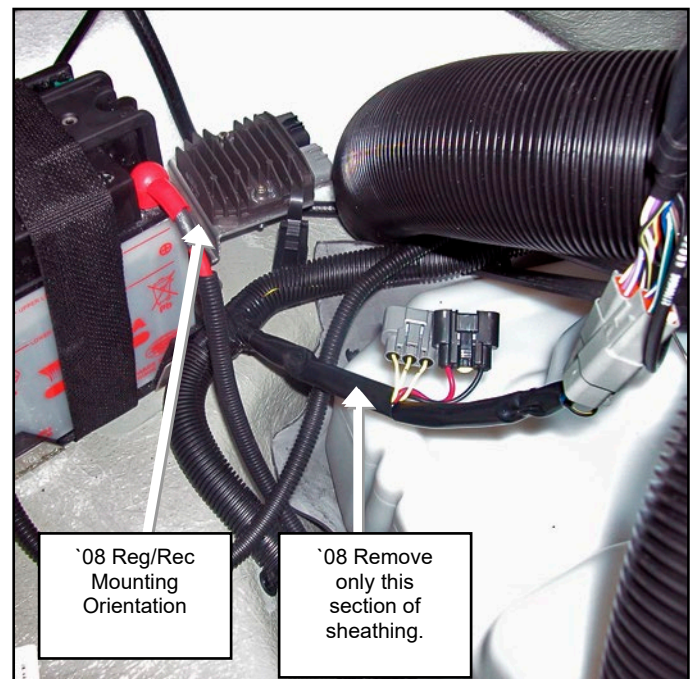


Illustration #12

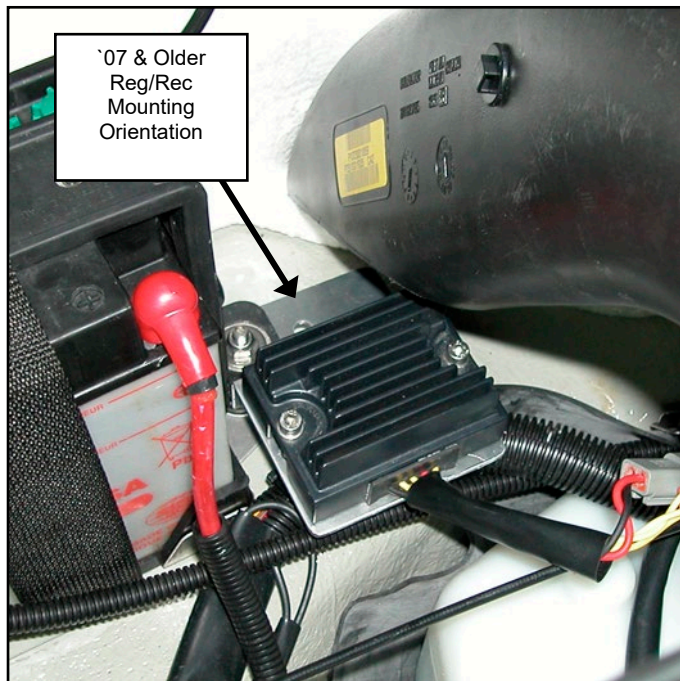


Illustration #13

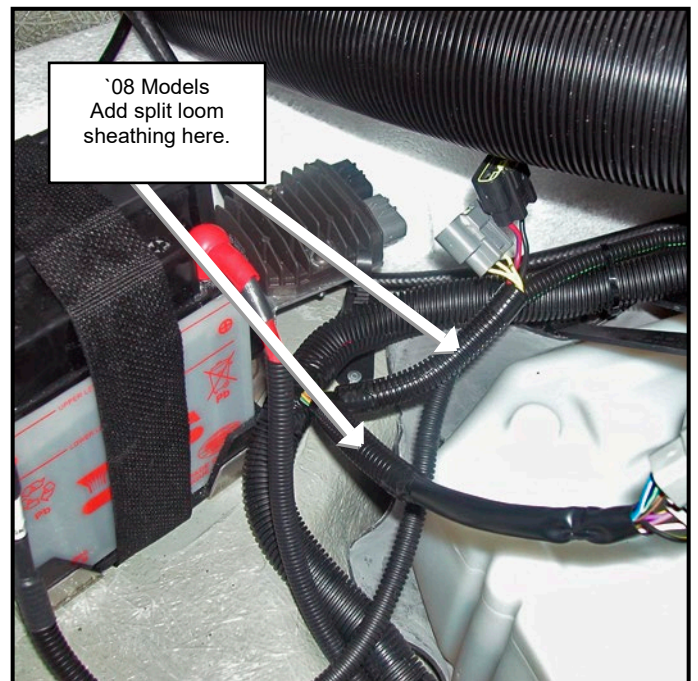


Illustration #14

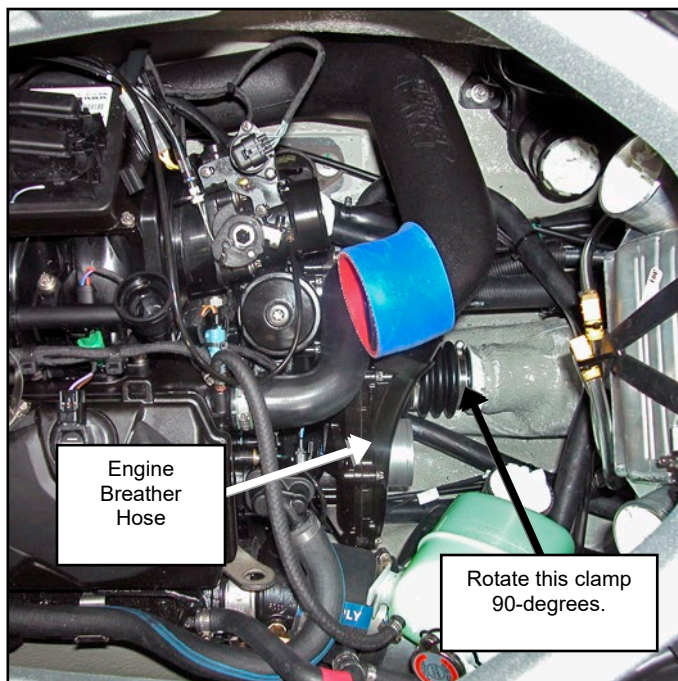


Illustration #15

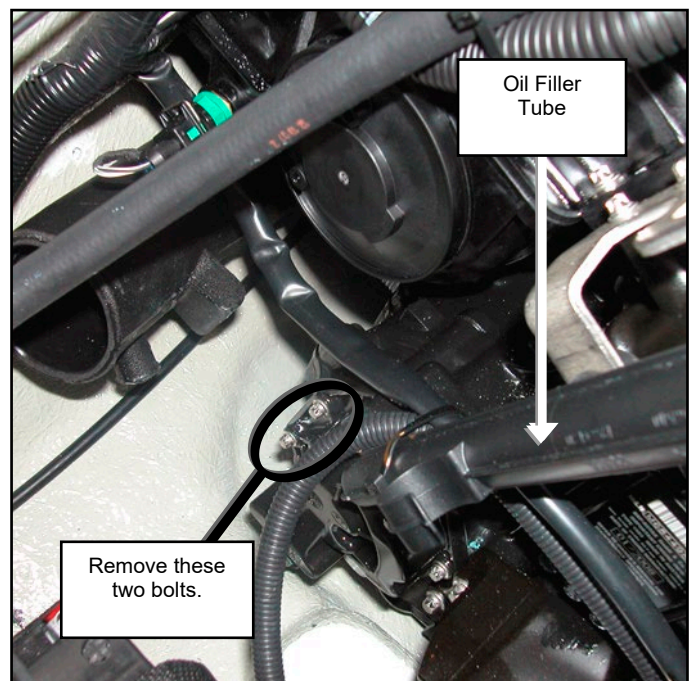


Illustration #16

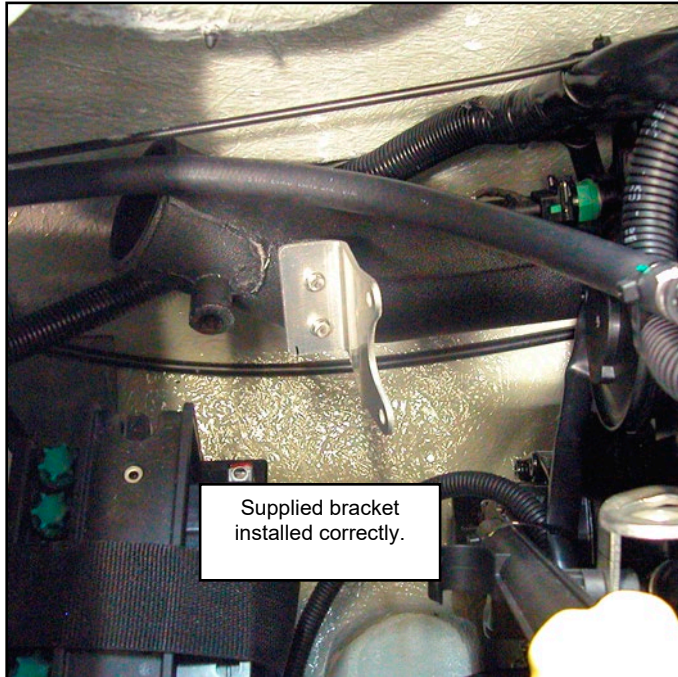


Illustration #17



Illustration #18

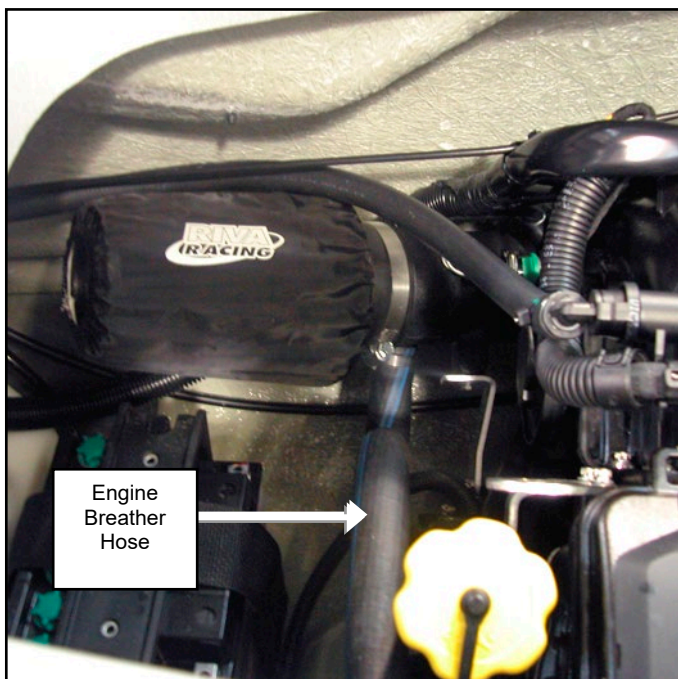


Illustration #19