



## **Spark Fixed Performance Trim Tab Kit**

***PART# - RS27130-FPT***

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 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.

**APPLICATION(S):** Sea Doo Spark. 2up Models Only.

**\*\*\* ALLOW ENGINE TO COOL COMPLETELY BEFORE PERFORMING INSTALLATION \*\*\***

### **Required Specialty Tools / Supplies**

#5 size drill bit  
"B" size drill bit  
Permatex "The Right Stuff" or equivalent.

### **Part#**

N/A  
N/A  
N/A

### **Recommended tools**

Sea Doo Factory Service Manual

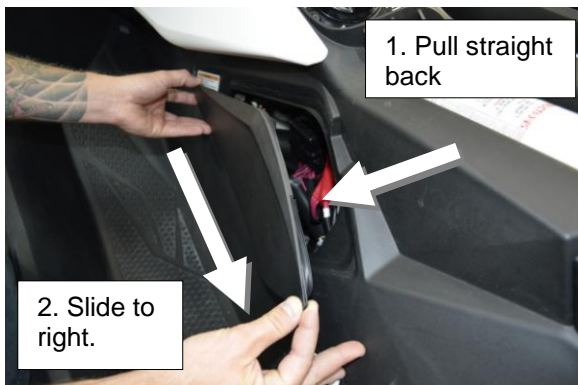
### **Part#**

N/A

## **- INSTALLATION INSTRUCTIONS -**

Step 1: Remove seat.

Step 2: Remove left side access panel by pulling top right side of panel straight out about 1/2". Then slide panel to right.



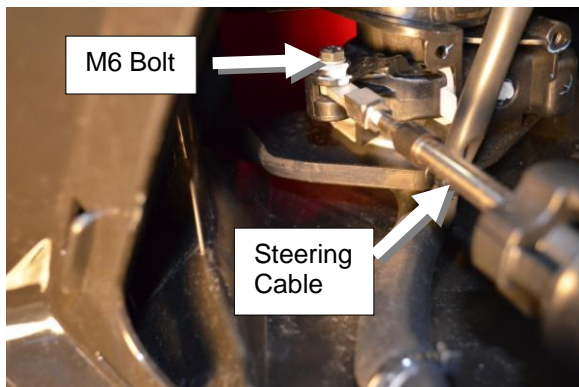
Step 3: Locate steering & gauge wire harness. Disconnect plugs by sliding back red lock tabs on each connector. Push clip lock on each plug & pull plug apart.



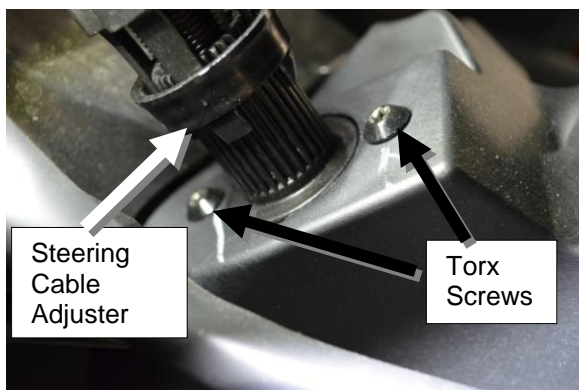
Step 4: Remove left side knee pad by pulling on right side of panel.



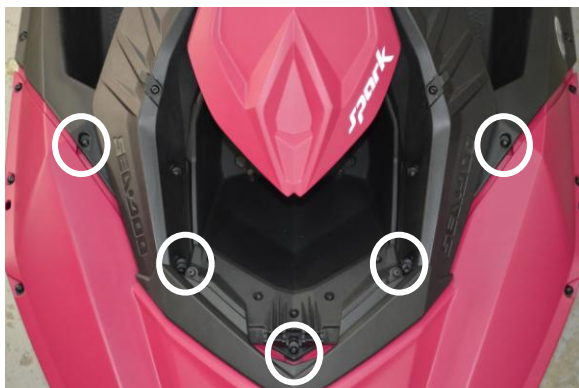
Step 5: Locate end of steering cable at steering column. Remove M6 bolt holding steering cable to column & disconnect steering cable.



Step 6: Remove Torx screws (2) holding steering cable to top deck.



Step 7: Remove the five (5) circled self tapping screws at front of top deck. (see illustration below)



Step 8: Remove the eight (8) circled self tapping screws at the rear of the top deck. Remove rear trim pieces by sliding out of position. (see illustration below)



Step 9: Remove the ten (10) circled Torx screws & nuts on the sides of the hull. (see illustration below)



Step 10: Remove three (3) self tapping screws located at the fuel fill cap.





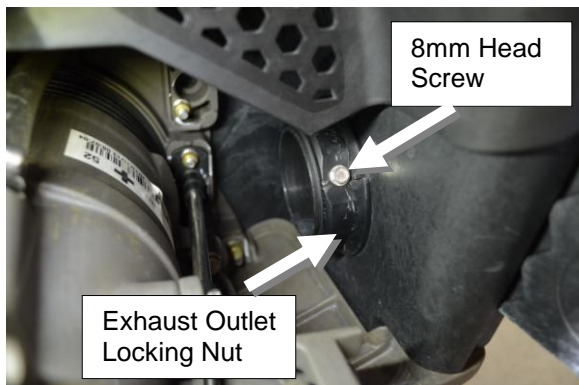
Step 11: With assistance, remove top deck by lifting straight up from lower deck. Guide steering cable through cable access hole in top deck.



Step 12: Remove the Torx screws on rear deck panel and remove panel. (see illustration below)



Step 13: Remove 8mm head screw on exhaust outlet locking nut. Remove exhaust outlet locking nut.



Step 14: Loosen hose clamp on water box outlet hose and remove exhaust resonator box from hull.



Step 15: Locate the four existing hull extension mounting holes on the left & right underside of the hull at the rear.

#### Make a pilot hole first:

Using a #5 drill bit, push the drill bit up into the existing hole until stops. Once it is bottomed out, **SLOWLY** drill through the hull. The Exoskel hull material is somewhat soft. **Note:** Use your drill on the low speed setting & drill as straight as possible.

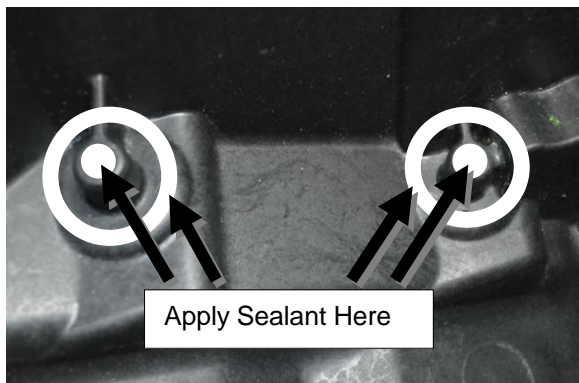


Step 16: After all four mounting holes have been drilled from the underside, **SLOWLY** drill the four mounting holes from the top side of the hull using a "B" size drill bit. **Note:** Use your drill on the low speed setting & drill as straight as possible.

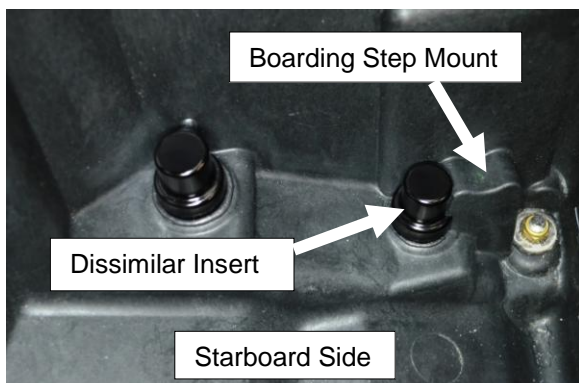


Installing the trim tabs:

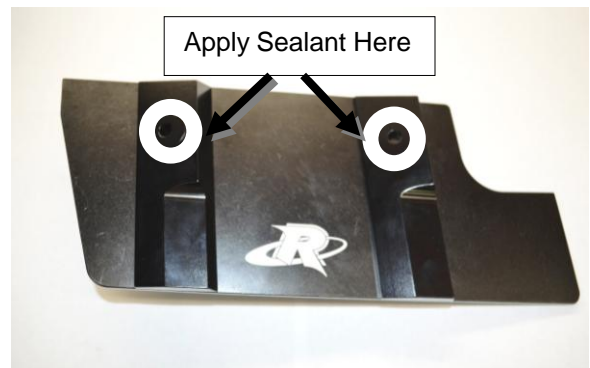
Step 17: Apply a generous bead of Permatex "The Right Stuff" or equivalent around the mounting holes on the top side of the hull AND in the bolt hole itself. (see illustration)



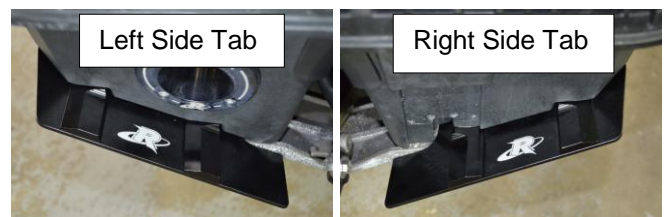
Step 18: Position supplied threaded hull inserts over the mounting holes on the inside of the hull. **Note:** Three of the hull inserts are identical. The one dissimilar insert is to be installed on the mounting hole near the boarding step.



Step 19: Apply a generous bead of Permatex "The Right Stuff" or equivalent around the mounting areas on the trim tab. (see illustration below)



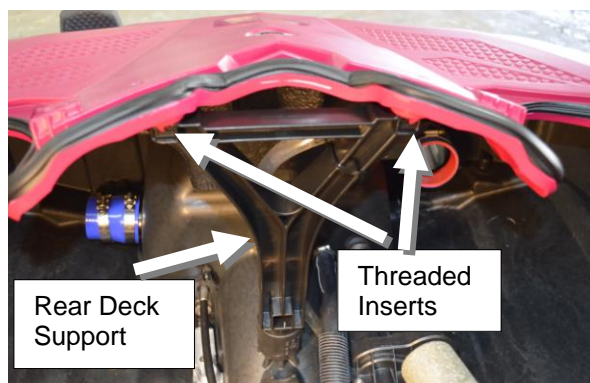
Step 20: Position trim tabs in place & secure using the supplied M6x socket head bolts. **Note: Apply blue Loctite to bolts. Do not over tighten bolts.**



Step 21: Reinstall exhaust resonator. Connect exhaust hose to waterbox. **Do not over tighten hose clamp.** Reinstall exhaust outlet locking nut with lock screw. (refer to steps 13 & 14)

Check bilge for tools, rags, etc.

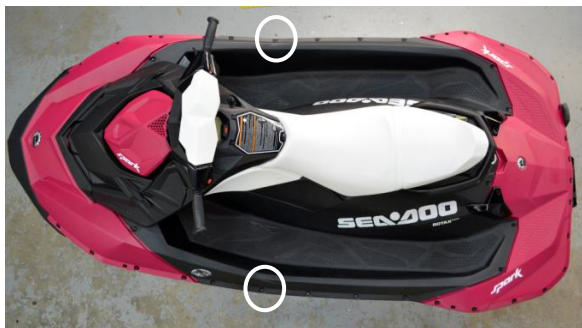
Step 22: Reinstall rear deck panel. (refer to step 12) Torque screws to 5.5 N.m / 49 inch lbs. Ensure rear deck support is positioned correctly & threaded inserts are in place.



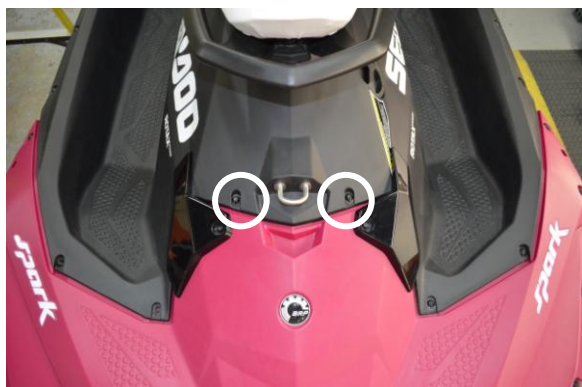


Step 23: Reinstall top deck to lower deck (refer to step 11) Guide steering cable through cable access hole on top deck. Use care to ensure the rubber deck seals are properly sealing. Line up screw holes between the top & lower deck.

Step 24: Reinstall bolts, nuts & washers (2) at side alignment tabs first. (circled in illustration below) Torque to 3.5 N.m / 31 inch lbs.



Step 25: Install rear support screws (circled in illustration below) Torque to 5.5 N.m / 49 inch lbs.



Step 26: Install side rail bolts, nuts & washers. (circled in illustration below) Torque to 3.5 N.m / 31 inch lbs.

**Note: Sea Doo recommends replacing these M6 side elastic stop nuts. Sea Doo replacement part # is 232561200.**



Step 27: Reinstall rear trim pieces (refer to step 8) & reinstall self tapping screws at front & back of hull. (circled in illustration below) Torque to 5.5 N.m / 49 inch lbs.



Step 28: Reinstall self tapping screws (3) at gas fill cap. Torque to 4.5 N.m / 40 inch lbs. (refer to step 10)

Step 29: Reconnect the steering & gauge wire harness. Make sure plugs "click" when connected. Lock each plug together by sliding red locking tab. (refer to step 3)

Step 30: Reinstall self tapping screws (2) holding steering cable adjustment to top deck. (refer to step 6)

Step 31: Reinstall end of steering cable to steering column arm and secure with M6 bolt. (refer to step 5)

Step 32: Reinstall left side knee pad (refer to step 4) and left side access panel (refer to step 2) and reinstall seat.

Installation is now complete.

**Important: Allow sealant to cure for 24 hours before use.**

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

### **Limited Warranty**

RIVA Performance Trim Tab 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 and a Return Authorization Number (RA#) must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.