



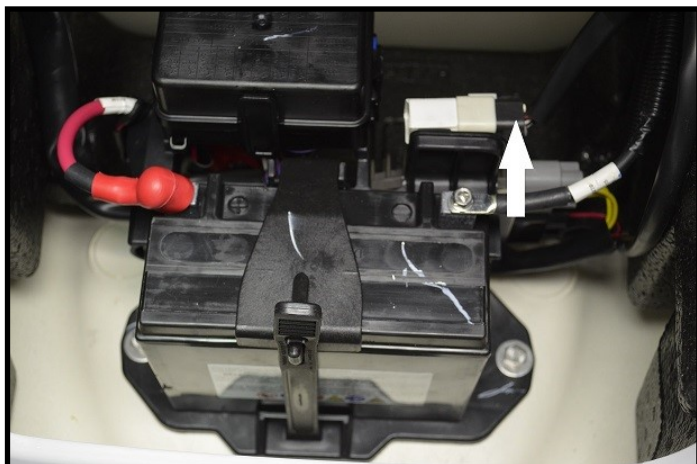
RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Sea-Doo Speed Control Override Modules

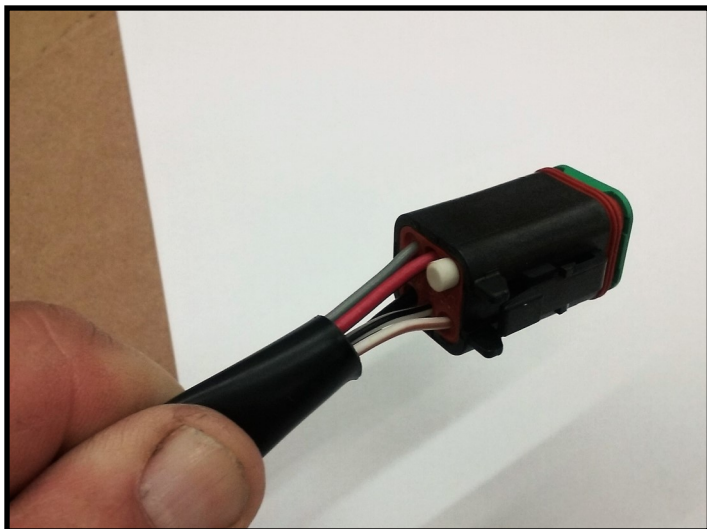
BEFORE YOU INSTALL:

Read below items completely.

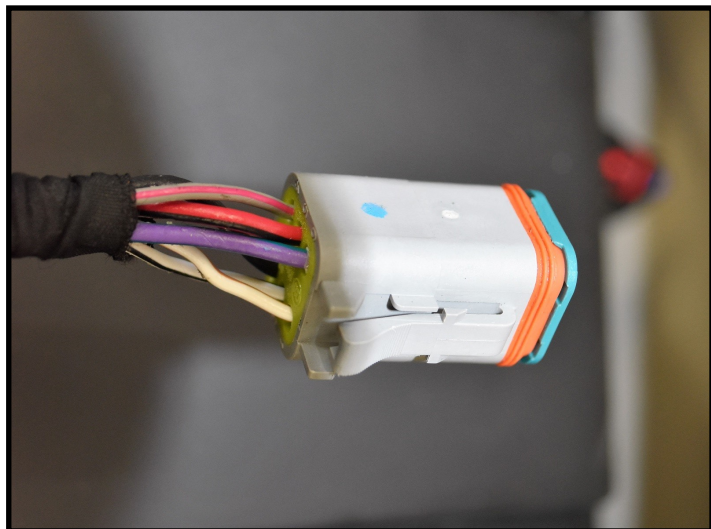
Remove the diagnostic plug from the connector on the battery holder. Look at the back of the plug where the wires enter the plug from the harness. If there are 5 wires entering the plug you must follow the complete instruction set. If there are 6 wires there you do not need to install the SCOM wire harness or make changes to your fuse box. Follow only those steps marked with an asterisk * applicable to your model.



Location of Diagnostic Plug 2016-2017



Diagnostic Plug with 5 Wires

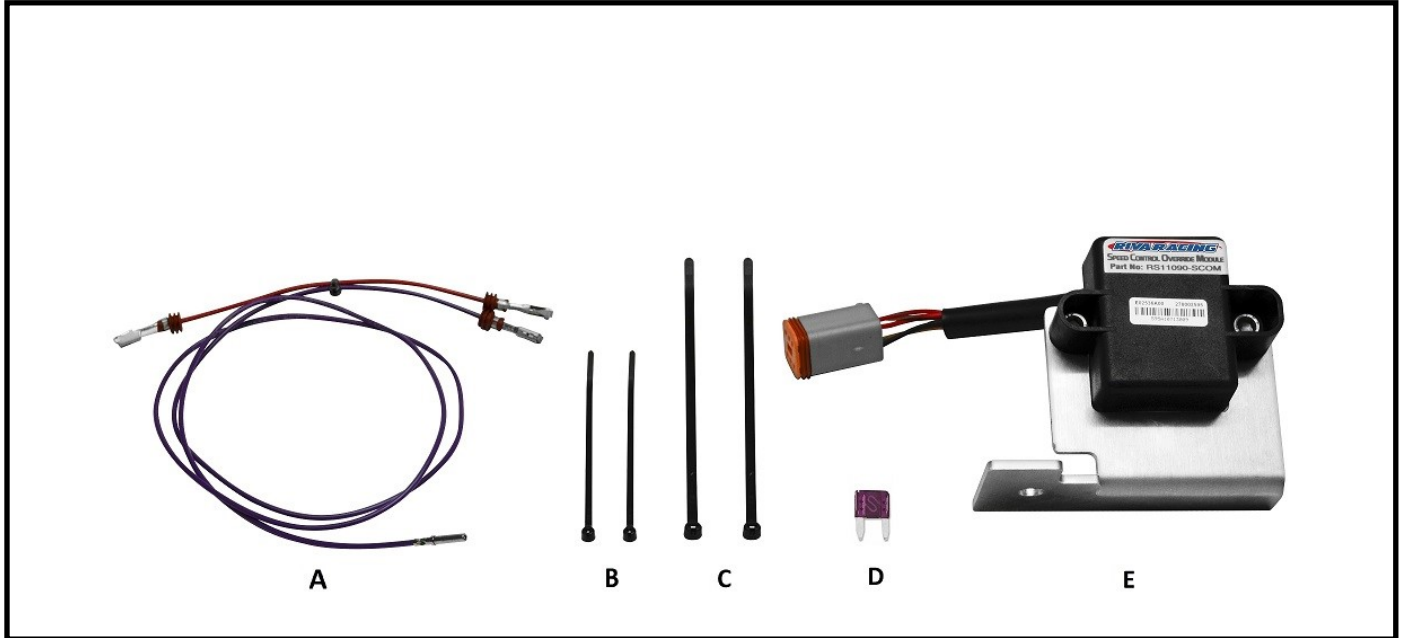


Diagnostic Plug with 6 Wires



Speed Control Override Module

PART# - RS11090-SCOM-16



Applications:

Sea-Doo 2016-17 260/300 models

Approximate Installation Time: 1.5 hrs.

Recommended Specialty Tools:

None required

Part #

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 *****



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Speed Control Override Module

COMPONENT LIST

		QUANTITY	PART NUMBER	DESCRIPTION
A	<input type="checkbox"/>	1		Wire Harness
B	<input type="checkbox"/>	2		Small Zip Tie
C	<input type="checkbox"/>	2		Medium Zip Tie
D	<input type="checkbox"/>	1		Fuse (3A)
E	<input type="checkbox"/>	1		SCOM Unit with installed bracket

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 ALL MODELS-

RXT-X As and GTX iS 260 Models

- *Open rear boarding platform.
- *Remove right storage bin.

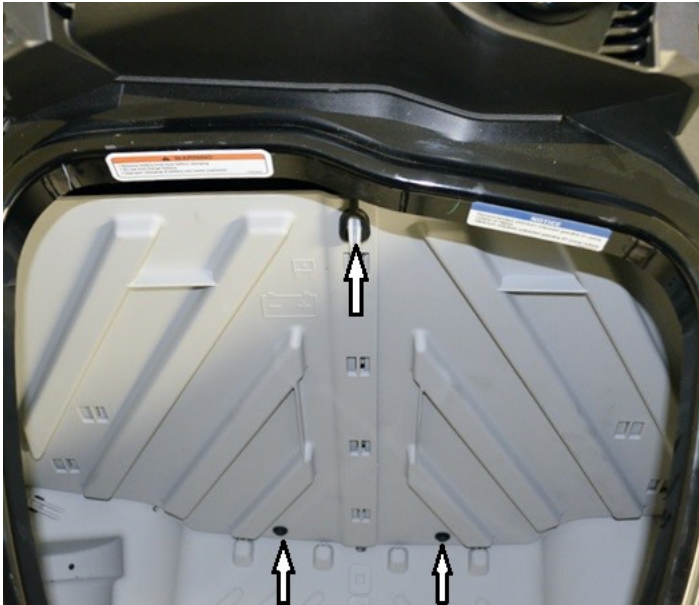
RXT 260, RXT-X 300 and GTX 300 Models 2016-2017

- *Open Seat

RXP-X 300 Models 2016-2017

- *Open front storage compartment.
- *Remove battery access panel.(1 strap/2 pins) (Figure 1)

Figure 1



- *Remove battery cables. **Black first. Red second.**
- *Unplug diagnostic cable from retainer clip. (Figure 2)

Figure 2



- *Remove battery hold down bolts (2) (Figure 3)

Figure 3



Tip battery holder and battery assembly onto its side to make it easier to perform the next operation.

Unplug gray and black connectors from voltage regulator.

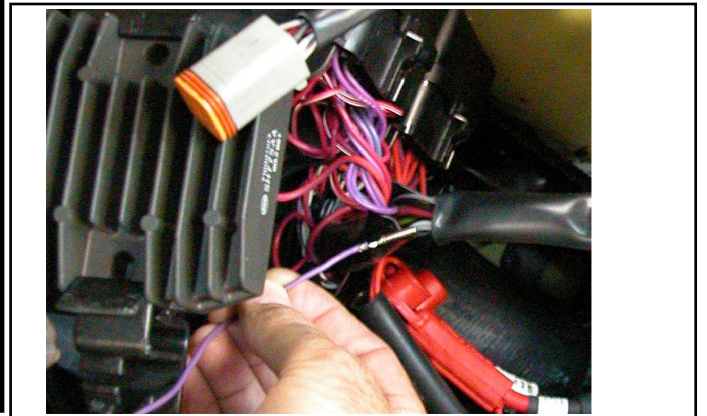
Cut and remove the (4) zip ties attaching the electrical harness and battery cable to the battery holder. (Figure 4)

Figure 4



Insert and feed longest end of Electrical Harness Wire (supplied item A – purple wire) into end of harness sheath closest to fuse box. (Figure 5)

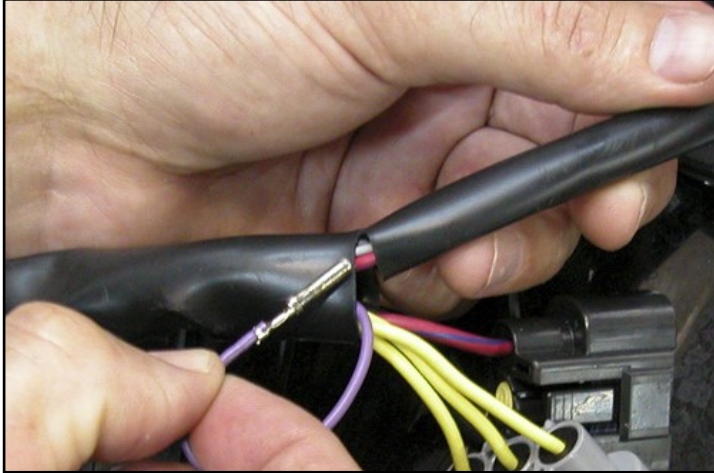
Figure 5



- INSTALLATION INSTRUCTIONS -

Feed purple wire into and through first section of sheathing to voltage regulator connectors. Pull purple wire through first section of sheathing. Insert and feed into second section of sheathing until end reaches diagnostic connector. (Figure 6)

Figure 6

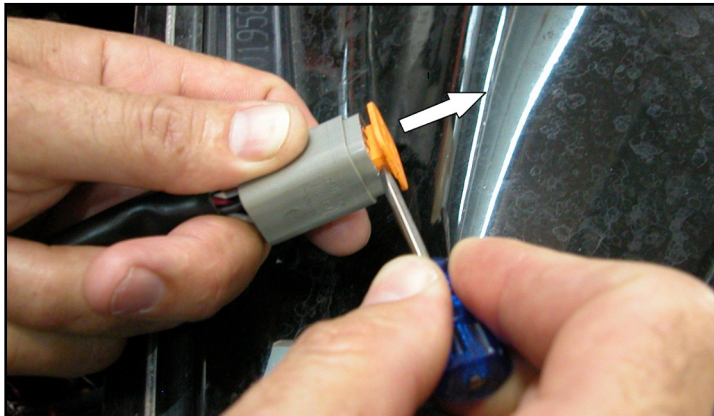


Remove o-ring from end of diagnostic connector. (Figure 7)

Figure 7



Carefully pry up edge of connector cap to remove. (Figure 8)



Remove white plastic plug (block-off) from pin hole #6. (Figure 9)

Figure 9



Insert end of Electrical Harness Wire (purple wire) into connector and lock into place. (Listen for a click!) Pull back on wire to ensure terminal is locked in place. (Figures 10 and 11)

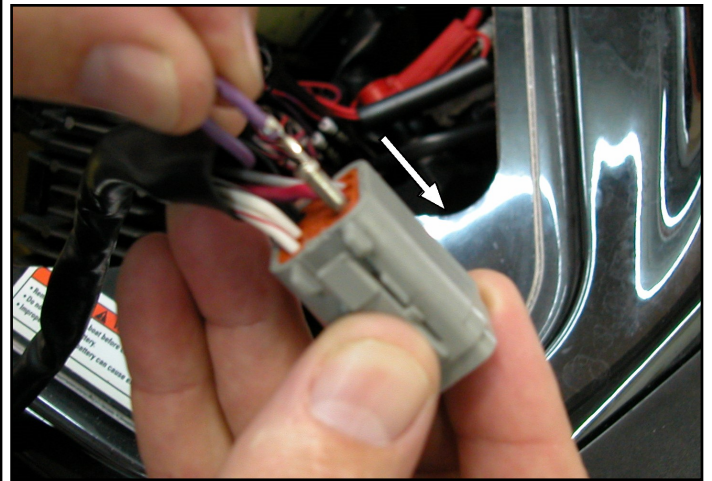
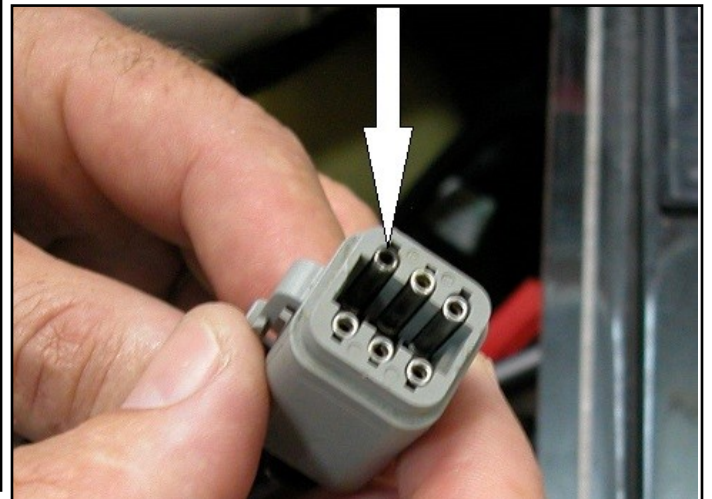


Figure 10



- INSTALLATION INSTRUCTIONS -

Replace connector cap and o-ring.

Reconnect black and gray electrical connectors to voltage regulator.

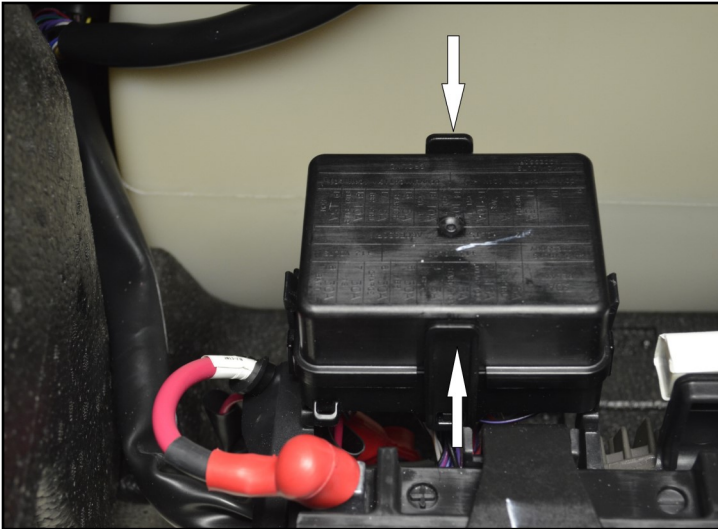
Pry tabs (2) outward at sides of fuse box to remove from electrical component support. (Figure 12)

Figure 12



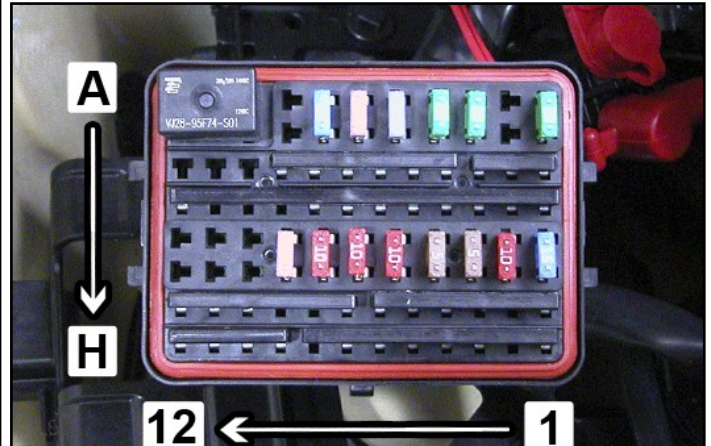
Squeeze top of tabs (2) on each side of fuse box lid. Lift up to remove. (Figure 13)

Figure 13



- FUSE PANEL REFERENCE -

Figure 14

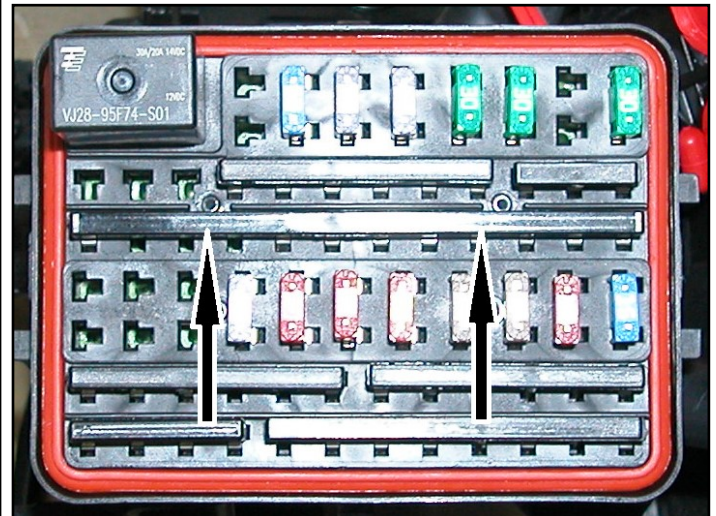


NOTE: Rows A, B, E & F contain 11 cavities.

Rows C, D, G & H contain 12 cavities.

Carefully remove bus bar from row 'D' by prying ends UP evenly. Do not remove one end or work side to side (Figure 15)

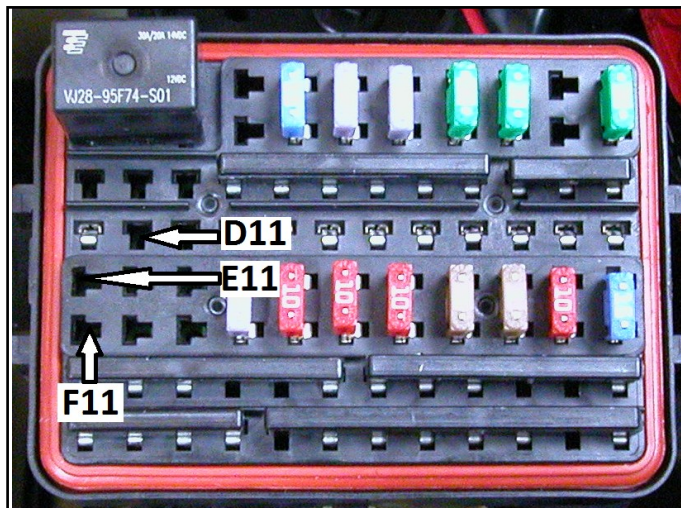
Figure 15



Remove rubber seal plugs from locations 'D11, E11, & F11' by pressing a small screwdriver into openings on top of fuse box. Seals will pop out at underside. (Figure 16)

- INSTALLATION INSTRUCTIONS -

Figure 16



At underside of fuse panel insert one end of the red wire with the purple stripe (supplied item A) into location 'D11'. (Listen for a click!) Pull back on the wire to ensure the terminal is locked in place. (Figure 17)

Figure 17



Insert the other end of the red wire with the purple stripe (supplied item A) into location 'E11'. (Listen for a click!) Pull back on the wire to ensure the terminal is locked in place. (Figure 18)

Figure 18



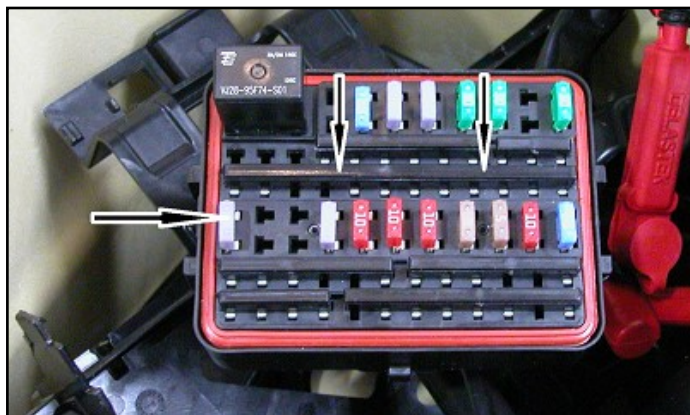
Insert the end of the purple wire (supplied item A) into location 'F11'. (Listen for a click!) Pull back on the wire to ensure the terminal is locked in place. (Figure 19)

Figure 19



Flip fuse box over to view fuses. Install the supplied fuse into fuse panel across locations 'E11 & F11'. Replace the bus bar removed previously (row 'D'). (Figure 20)

Figure 20



- INSTALLATION INSTRUCTIONS -

NOTE: It is important that you press bus bar evenly into place and straight down. Do not work side to side or bend pins.

Replace fuse box cover.

Replace fuse box onto battery support.

Secure wiring harness and starter relay cable to battery support bracket using supplied small and medium zip ties (2 each).

Place battery holder in normal orientation in hull. Do not secure yet.

*Connect craft's diagnostic cable to connector on under-side of S.C.O.M. unit.

*Remove diagnostic connector cap from battery holder by pulling the rear (open) end away from the battery holder and sliding cap to the outside. (Figure 21)

Figure 21



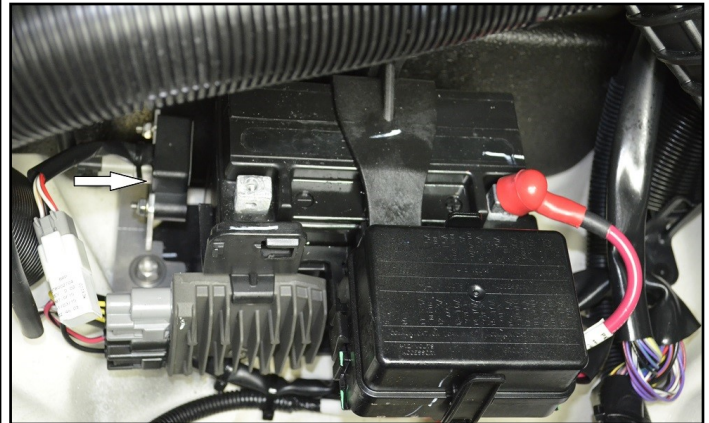
*Place cap onto plug on the plug at the end the cable that comes from the SCOM unit

Note: If unit is equipped with an additional Sea-Doo module, Ski Module, X-Package module, etc., The SCOM module must be connected to the diagnostic plug directly and subsequent modules attached to the SCOM in daisy chain fashion.

RXT 260 and RXT-X 300 Models

*Install one battery bolt and washer into the starboard (right) side hole in the battery holder and finger tighten. Insert the other battery bolt and washer into the hole in the SCOM bracket and install into the hole on the port (left) side of the battery holder. Use a 14mm wrench to tighten both battery hold down bolts alternately until tight. (Figure 22)

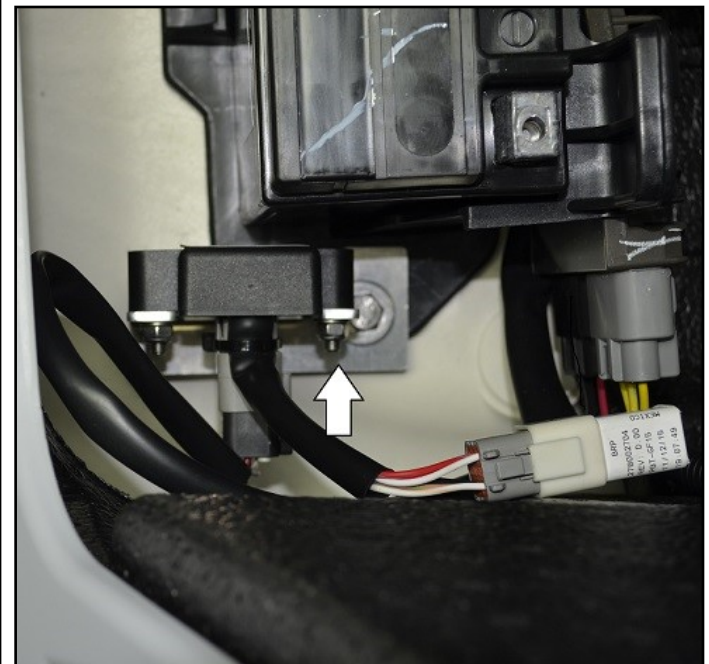
Figure 22



RXT-X 260 aS, RXP-X 300 Models, GTX LTD Is 260, and GTX LTD 300

*Install one battery bolt and washer into the port (left) side hole in the battery holder and finger tighten. Insert the other battery bolt and washer into the hole in the SCOM bracket and install into the hole on the starboard (right) side of the battery holder. Use a 14mm wrench to tighten both battery hold down bolts alternately until tight. (Figure 23)

Figure 23



*Reconnect battery cables. **Red first. Black second.**

*Check bilge for tools, rags, etc. Run craft on a flush kit to check for proper operation.

aS and iS Models

*Replace right storage bin.

*Close rear boarding platform.

Sport Mode 'Start Up' Feature:

2016-17 model Sea-Doos will not "automatically" select Sport Mode upon startup. Sport Mode may be engaged before starting only if the unit was in Sport Mode when last shut down.

To engage Sport Mode before startup (after ski was shut down while in Sport Mode):

- Press Start/Stop button (with lanyard disconnected).
- Connect lanyard to DESS post.
- Press and hold Sport button for 3 seconds or longer.

Unit will engage Sport Mode and maintain it when started.

Running modes can only be changed after the engine is started.

TUNING INFORMATION:

The iControl Engine Management System has several factory limitations that must be considered when tuning / modifying your watercraft.

GPS Controlled Speed Limiter:

U.S. models are governed to 67mph and International models are governed to 72mph. Note that this is actual speed as measured by hand held GPS and not speed displayed on instrument cluster. Speed limiter function is completely removed on both U.S. and International models when using RIVA

Speed Control Override Module.

Engine RPM Limiter:

Both U.S. and International models have a factory engine RPM limiter set at 8,040rpm. Target engine RPM for modified applications should be 7,900-8,000rpm. The design of the iControl engine rev limiter allows the craft to run closer to limit than previous generation Sea-Doo's without surging or losing power. iControl system will automatically close throttle as needed to reduce RPM if engine rev limit is reached.

Torque Limiter:

Both U.S. and International models have a control system that calculates throttle position, boost pressure & engine RPM to limit maximum torque. When torque limit is exceeded, system will close throttle as needed to stay within factory specifications. Please follow RIVA Performance Kit recommendations to stay within torque limits and maximize performance: www.rivaracing.com/kits.

NOTE: Once installed S.C.O.M. units are mated to craft's ECU & Cluster Coding and cannot be transferred to another craft.

***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 Speed Control Override Modules carry a 30-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.