

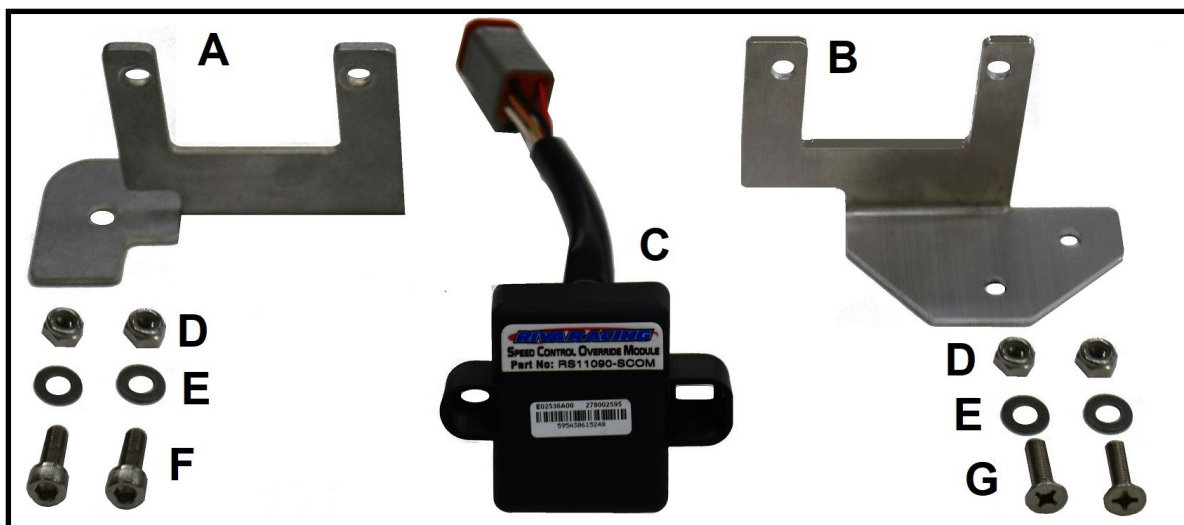


RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

Speed Control Override Module SD 2018+ 300 HP

RS11090-SCOM-19



Applications:

Sea-Doo 2018+ 300 models

Approximate Installation Time: 1.0 hrs.

Recommended Specialty Tools:

None required

Part #

N/A

Required Materials:

None required

Part #

N/A

If installed with any other BRP Module (Ski module, X module, etc.) on a 2018 ski the SCOM must be connected directly to the ski's diagnostic plug and subsequent modules connected to the SCOM.

2019+ model skis will only accept one module. This module cannot be connected inline with BRP accessory modules on 2019 & newer Sea-Doo models.

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 *****



Speed Control Override Module

COMPONENT LIST

	QUANTITY	PART NUMBER	DESCRIPTION
A	1		Bracket for RXP-X
B	1		Bracket for RXT-X, GTX
C	1		SCOM Module All Models
D	4	561030SS	6mm Nyloc Nut
E	4	369021SS	6mm Flat Washer
F	2	051.6.16	6 x 16mm SHCS
G	2	100.6.20	6x 20 mm PFHS

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

These instructions are divided into two sections.
Instructions for 2018+ RXP-X models are on page 3.
Instructions for 2018+ RXT and GTX models are on
page 4.

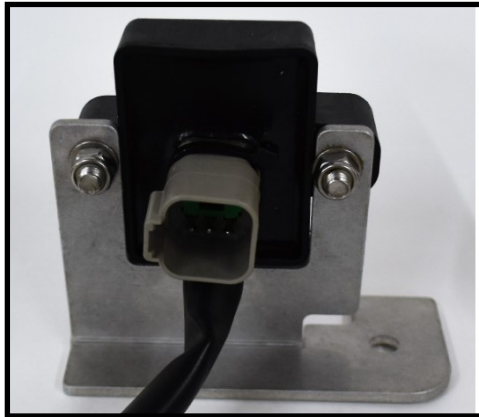
If installing with RIVA Power Filter Kit, on 2018+ RXT-X or GTX only, follow installation instructions in Power Filter Kit.

- INSTALLATION INSTRUCTIONS 2018 and later RXP-X Models-

For GTX and RXT-X 300 Models 2018+ refer to page 4
RXP-X 300 Models 2018+ install as shown below.

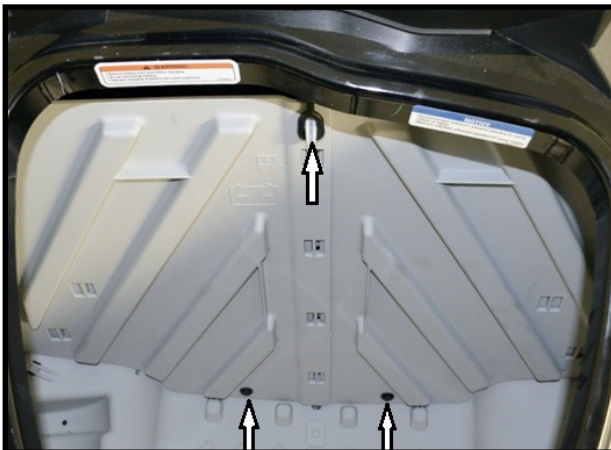
Install the RXP bracket onto the SCOM module using supplied 6 x 16 mm SCHS (2), 6 mm washers (2) and 6 mm nyloc nuts (2). (Figure 1)

Figure 1



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

Figure 2



Remove battery cables. **Black first. Red second.**
Unplug diagnostic cable from retainer clip. (Figure 3)

Figure 3



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 4)

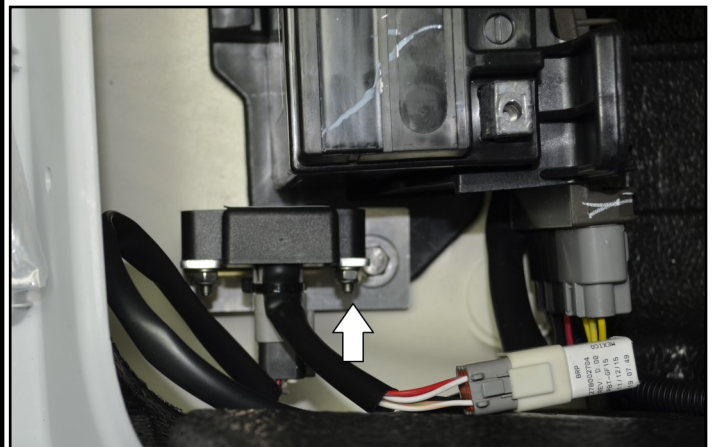
Figure 4



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

Loosen battery hold down bolts (2). Completely remove starboard (right) battery hold down bolt. Insert battery bolt and washer through the hole in the SCOM bracket and install into the hole on the starboard (right) side of the battery holder. Tighten both battery hold down bolts alternately until tight. SCOM will now be mounted at battery base. (Figure 5)

Figure 5



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

Replace all parts removed to access installation points.
Check bilge for tools, rags, etc. Run craft on a flush kit to check for proper operation.

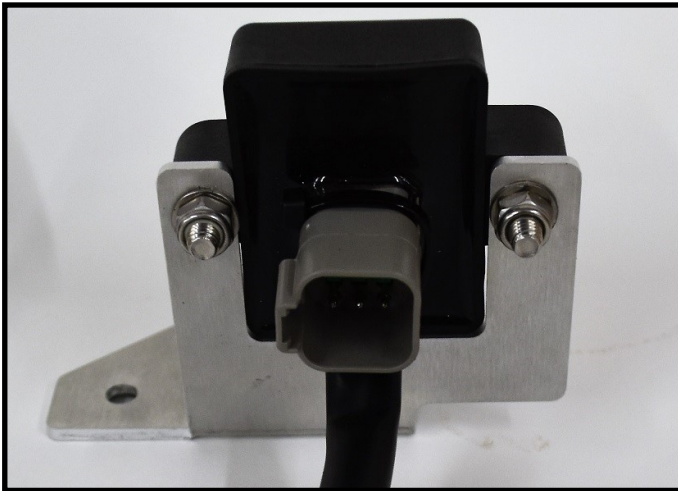
- INSTALLATION INSTRUCTIONS 2018+ GTX 300 and RXT-X Models-

For RXP-X models 2018 and later refer to page 3

GTX 300 and RXT-X models 2018 and later install as shown below. If installing SCOM with RIVA Power Filter kit follow installation instructions in filter kit.

Install the RXT bracket onto the SCOM module using supplied 6x16 mm SCHS (2), 6 mm washers (2) and 6 mm nyloc nuts (2). (Figure 6)

Figure 6

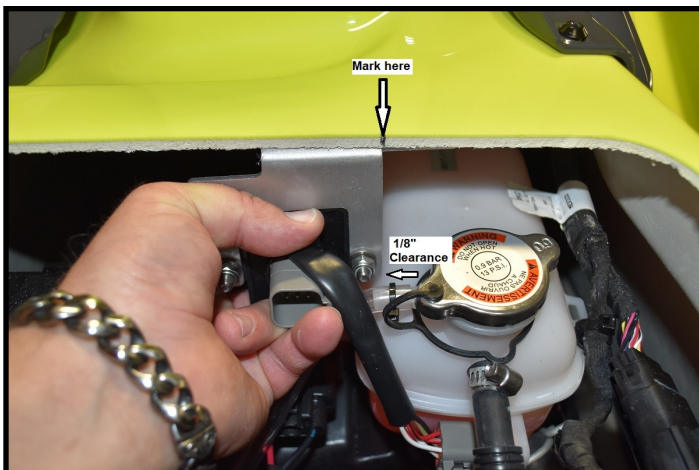


Remove Seat.

Plug lead on SCOM unit into reservoir socket.

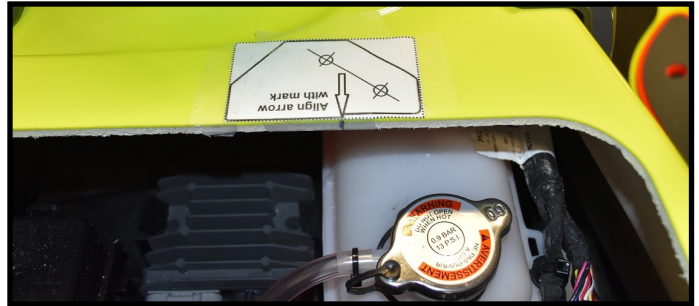
Position SCOM on underside of front engine compartment coaming. Allow 1/8" to 1/4" clearance between SCOM unit and coolant reservoir. Using a magic marker or similar mark coaming as shown. (Figure 7)

Figure 7



Cut out template (Template 1) along dotted lines and tape to upper surface of engine compartment. Align arrow with mark previously made. (Figure 8)

Figure 8

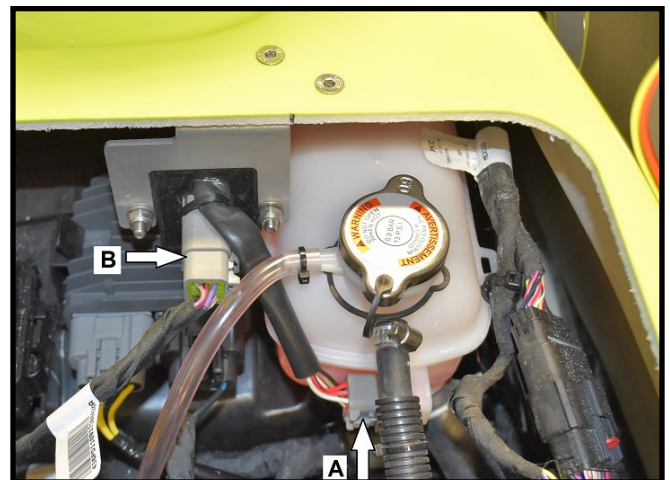


Drill (2) 19/64" holes through upper engine compartment surface at centers of holes indicated on template. Countersink to allow supplied 6x20mm FHS screw heads to sit flush with upper surface of engine compartment.

Install SCOM onto underside of engine compartment upper surface using supplied 6 x 20mm FHS (2), 6mm Washers (2), and 6mm nyloc nuts (2).

Plug SCOM lead into socket on reservoir (A in figure 9). Plug harness diagnostic plug previously removed from reservoir into socket of SCOM. (B in figure 9).

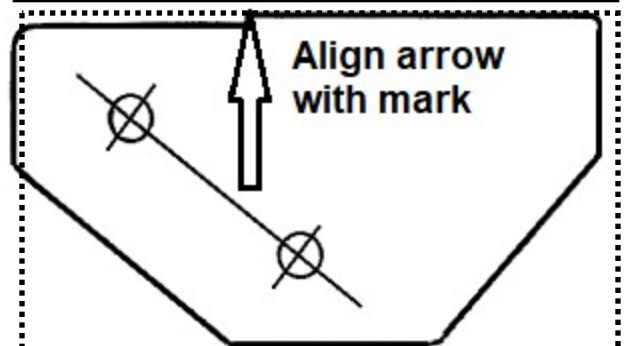
Figure 9



Replace all parts removed to access installation points. Check bilge for tools, rags, etc. Run craft on a flush kit to check for proper operation.

Template 1 (Cut along dotted lines.)

If printing at home verify that distance between hole centers is 1-1/8"



Sport Mode 'Start Up' Feature 2019+ models:

Installation of S.C.O.M. changes the start up mode of the craft from Touring Mode to Sport Mode. Activation of automatic start up mode change may be delayed for up to several hours depending on the ECU firmware version.

Running modes can only be changed after the engine is started. To engage other modes from Sport Mode press the Mode button on the L. H. handlebar switch while the engine is running. Press again until the desired mode is displayed on the multifunction gauge.

Sport Mode 'Start Up' Feature 2018 models:

2018 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 before when last shut down.

To engage Sport Mode before startup:

- With Lanyard disconnected, press Start/Stop button.
- 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 in-

strument 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 8,040 rpm. 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.

If installed with any other BRP Module (Ski module, X module, etc.) on a 2018 ski the SCOM must be connected directly to the ski's diagnostic plug and subsequent modules connected to the SCOM.

2019+ model skis will only accept one module. This module cannot be connected inline with BRP accessory modules on 2019 & newer Sea-Doo models.

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.