



RIVA RACING
PERFORMANCE PRODUCTS & ACCESSORIES

Sea-Doo Spark 3up Rear Exhaust Kit

RS15130-C



You will combine components supplied in kits RS15130 & RS15130-3U.

Follow these instructions for the entire installation process.

Applications:

All 2014~23 Spark 3up Models

Approximate Installation Time:

2.5~3 hours

GET THE LATEST UPDATES!

Prior to installation, go to the RIVA Racing online Instruction Library to download the latest version of these instructions:

<https://rivaracing.com/instructions>

Recommended Specialty Tools:

Large Band Saw

Part #

N/A

Required Materials:

Blue Loctite

Glass Cleaner

Part #

N/A

N/A



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Sea-Doo Spark 3up Rear Exhaust Kit

RS15130-3C

COMPONENT LIST

RS15130-3U

ITEM	DESCRIPTION	RIVA PART #	QTY	NOTES
A	Double Male Connector	QCA-RS15130-3U	1	
B	Retaining Ring		1	
C	Gasket		1	
D	Exhaust Hose	GT-RS15130-3U	1	
E	1/4-20 x 1" BHCS	25C100SBCS	4	
F	#44 Clamp	63004-0044-52	2	

You will combine components supplied in kits RS15130 & RS151-3U.

**Follow these instructions for the entire installation process.
Disregard instructions supplied with RS15130.**

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@rivaracing.com.

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 *****

Caution: Whenever using electric or battery operated tools inside the hull be sure it is well ventilated and no fumes are present. Failure to do so could result in a fire, or explosion and serious personal injury or death.

This kit is not intended for use on pollution controlled vehicles. Installation on pollution controlled vehicles may constitute a violation of state or local statutes.

- INSTALLATION INSTRUCTIONS -

TOP-CENTER DECK REMOVAL

Remove seat.

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



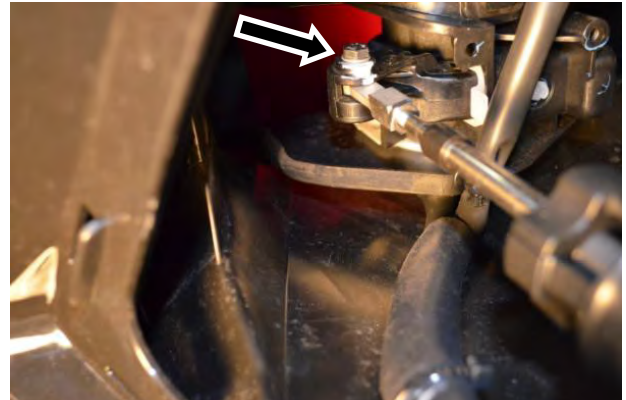
Locate steering & gauge wire harness. Disconnect plugs by sliding back red lock tabs on each connector. Push clip lock on each plug & pull plug apart.



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



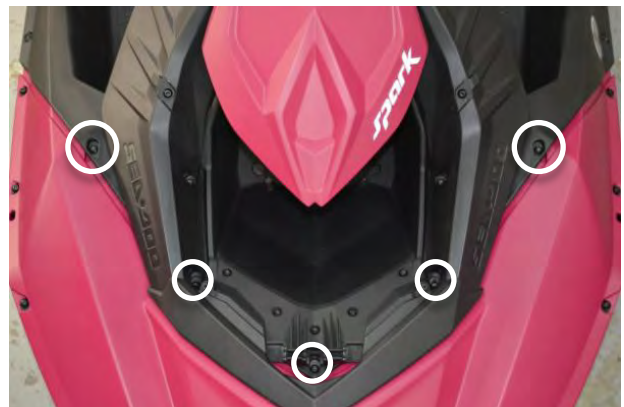
Locate end of steering cable at steering column. Remove M6 bolt holding steering cable to column & disconnect steering cable.



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

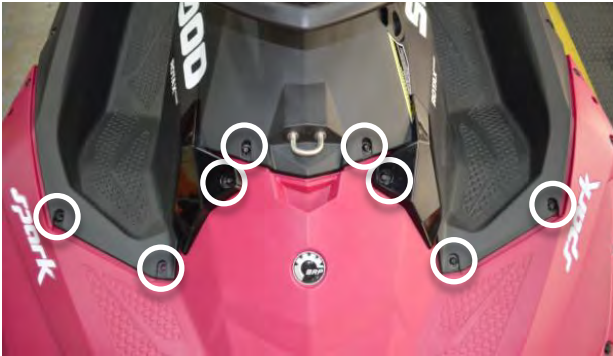


Remove self tapping screws (5) at front of top deck.



- INSTALLATION INSTRUCTIONS -

Remove self tapping screws (8) at rear of the top deck.
Remove rear trim pieces by sliding out of position.



Remove Torx bolts & nuts (10) on sides of the hull.



Remove self tapping screws (3) located at fuel fill cap.



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



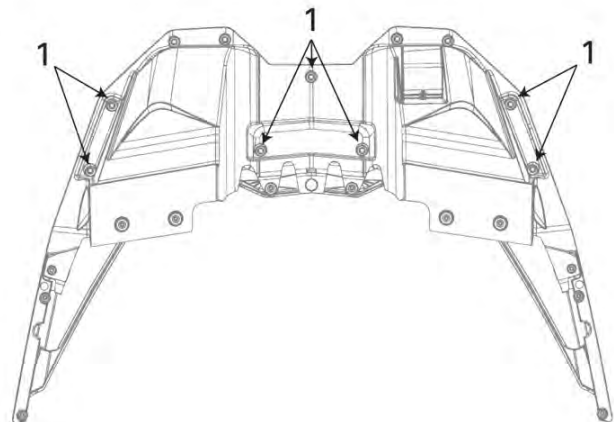
3UP HULL EXTENSION REMOVAL

At rear of craft, remove 3up hull extension deck cover (7 bolts. See below).



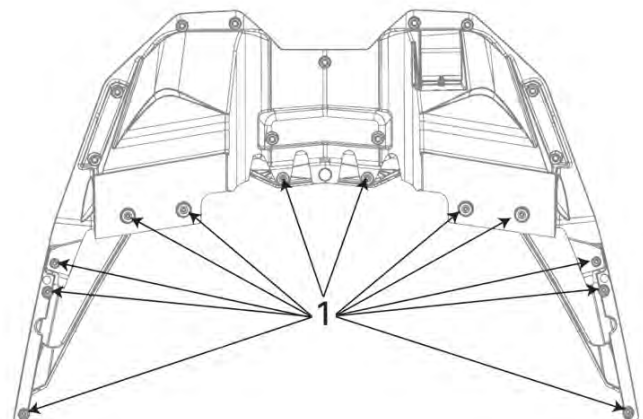
View of top side of hull extension.

At rear of craft, remove 3up hull extension deck cover (7 bolts).



View from underside of hull extension.

At rear of craft, remove 3up hull extension (12 Torx screws).



View from underside of hull extension.

- INSTALLATION INSTRUCTIONS -

OEM EXHAUST COMPONENT REMOVAL

Inside main hull, loosen hose clamp on exhaust hose at waterbox outlet.



At jet pump, remove exhaust outlet locking nut. **NOTE:** Older models may have a M8 screw on exhaust outlet locking nut that must be removed first.



Disconnect exhaust hose from waterbox. Remove exhaust resonator and outlet from hull and discard.

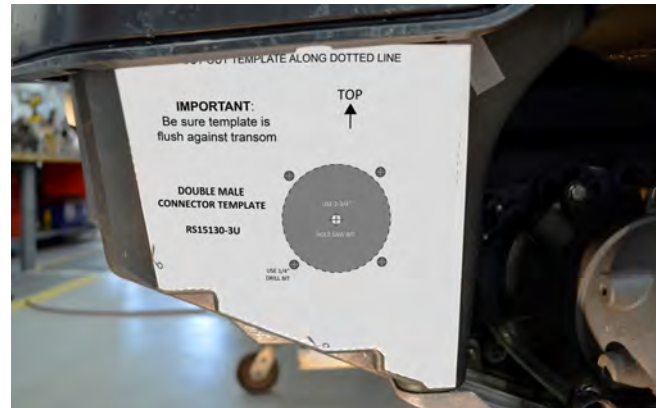


Peel backing off one supplied rubber seal. Slide over threaded portion of supplied exhaust outlet block off. Install exhaust block off from inside of hull and secure using exhaust outlet locking nut previously removed. **NOTE: Do not apply sealant to supplied gasket.**



BILLET EXHAUST THRU-HULL INSTALLATION

Cut out template on page 11 for Double Male Connector and affix to outside of main hull at left of jet pump.

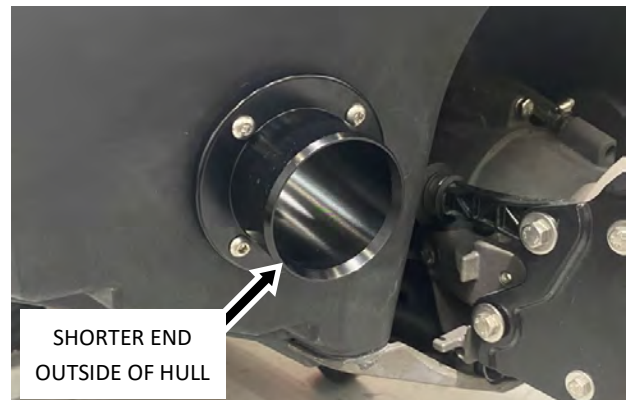


Using a center punch, locate and mark hull at the centers of the four 1/4" bolt holes.

Using a 2-3/4" hole saw bit, drill out center of exhaust outlet template. Hole can be made using a Dremmel®, Roto Zip® or die grinder tool as well. **NOTE: Do not make hole larger than diameter of thru-hull fitting tube.**

Thoroughly clean inside of hull of any plastic shavings or debris.

Install one supplied rubber gasket onto longer end of Double Male Connector thru-hull fitting. Install longer end into hull from outside. **NOTE: Do not apply sealant to supplied gasket.**



- INSTALLATION INSTRUCTIONS -

Apply silicone to backside of retainer ring and install onto exhaust outlet from inside of hull.



Secure thru-hull fitting using 1/4-20x1-12" button head bolts supplied in RS15130 hardware kit. **NOTE: Apply blue Loctite to threads of bolts. Do not overtighten bolts.**

Install 2-3/4" straight coupler onto thru-hull fitting inside hull. Apply glass cleaner to inside of coupler to ease installation. Secure using supplied #44 (larger) hose clamp.

Install smaller supplied hose clamp (#40) over waterbox outlet. Install smaller end (2-1/4") of supplied reduction coupler onto waterbox outlet and secure. Apply glass cleaner to inside of coupler to ease installation. **NOTE: Do not overtighten clamp.**

Loosely place one hose clamp over coupler on thru-hull fitting and over coupler on waterbox.

Install exhaust tube in place connecting waterbox to thru-hull fitting and secure. **NOTE: Ensure there is enough**



coupler over exhaust tube and thru-hull fitting to properly secure. Do not overtighten clamps.

BILLET EXHAUST OUTLET INSTALLATION

Remove floatation foam from left side of 3up hull extension.

Cut out template on page 12 for Rear Exhaust Outlet and affix to outside of 3up hull extension at left of jet pump.

Using a center punch, locate and mark hull at the centers of the four bolt holes.



Using a 2-3/4" hole saw bit, drill out center of exhaust outlet template. Hole can be made using a Dremmel®, Roto Zip® or die grinder tool as well. **NOTE: Do not make hole larger than diameter of exhaust outlet tube.**



Remove template and drill four bolt holes using a 1/4" drill bit.

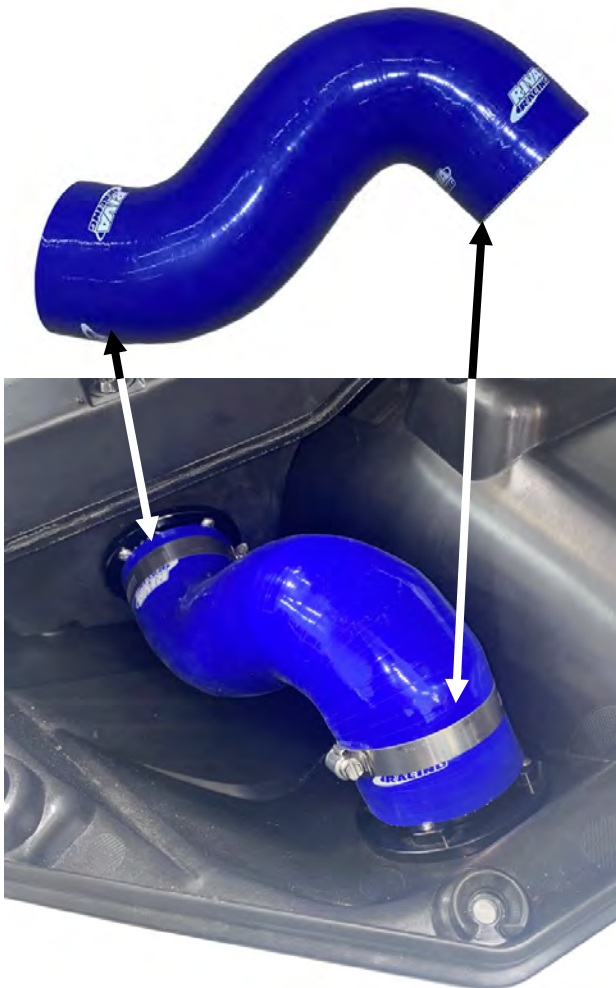
Reinstall 3up hull extension in reverse order of removal process. **NOTE: Do not replace hull extension deck cover. Do not apply Loctite to screws. Do not overtighten screws.**

- INSTALLATION INSTRUCTIONS -

Peel backing off supplied rubber seal and install onto exhaust outlet. Install outlet into hull extension from outside. Apply silicone to supplied retainer ring and install onto outlet from inside of hull so that the flat side is against the hull. Secure using 1/4-20x1" button head bolts supplied with RS15130-3U hardware kit. **NOTE: Do not apply sealant to supplied gasket. Apply blue Loctite to threads of bolts. Do not overtighten bolts.**



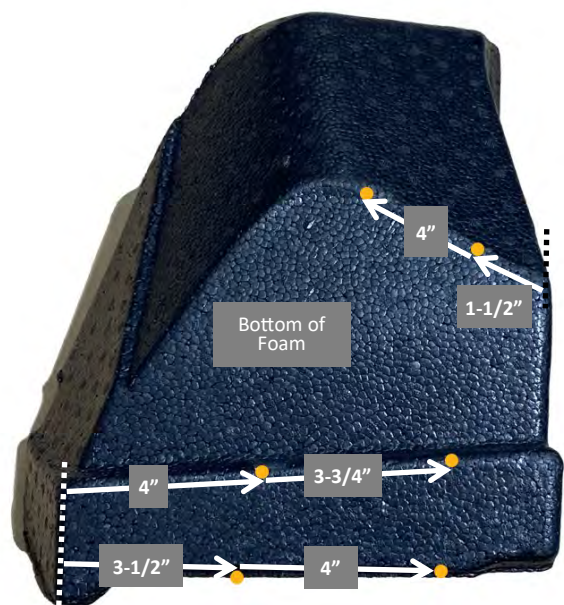
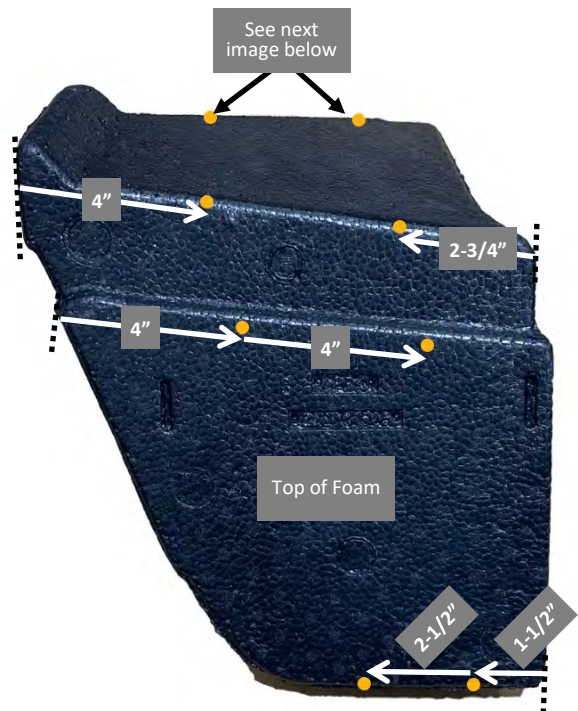
Place clamps loosely onto supplied short, formed exhaust hose. Spray glass cleaner inside hose and onto flanges of thru-hull fitting and exhaust outlet. Install hose and secure. **NOTE: Formed hose fits one direction only. Do not overtighten clamps.**



OEM FLOATATION FOAM MODIFICATION

To retain OEM flotation and allow easy servicing of Rear Exhaust Outlet components we recommend modifying the block of OEM flotation foam that was previously removed. The following steps are to provide guidance for doing so.

Mark flotation foam at points indicated by dots using measurements provided.



- INSTALLATION INSTRUCTIONS -

Connect the dots around the block of foam using masking tape as shown. Be sure to note which side of tape is which before cutting!



Top of Foam



Bottom of Foam

Cut foam into 3 sections using a band saw. If one is not available, use a piece of thin wire that is heated up with a torch and pulled through foam.

FIST SECTION

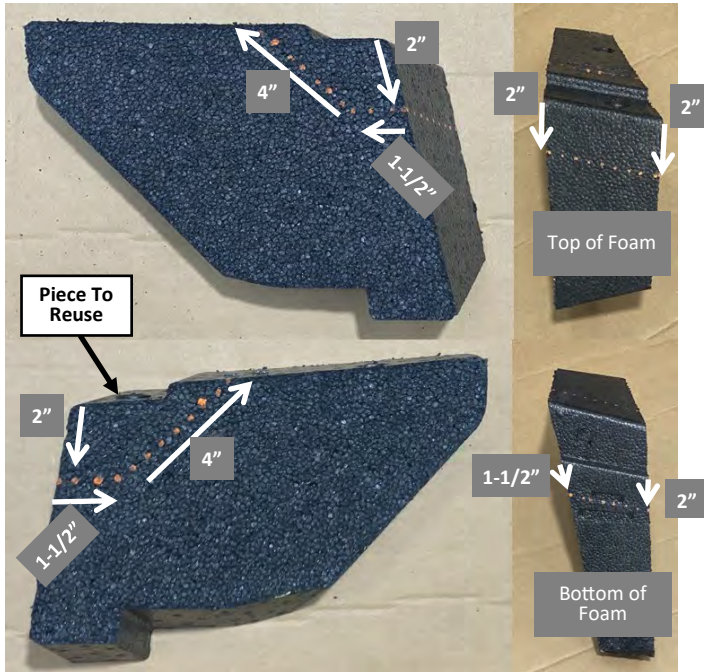


SECOND SECTION



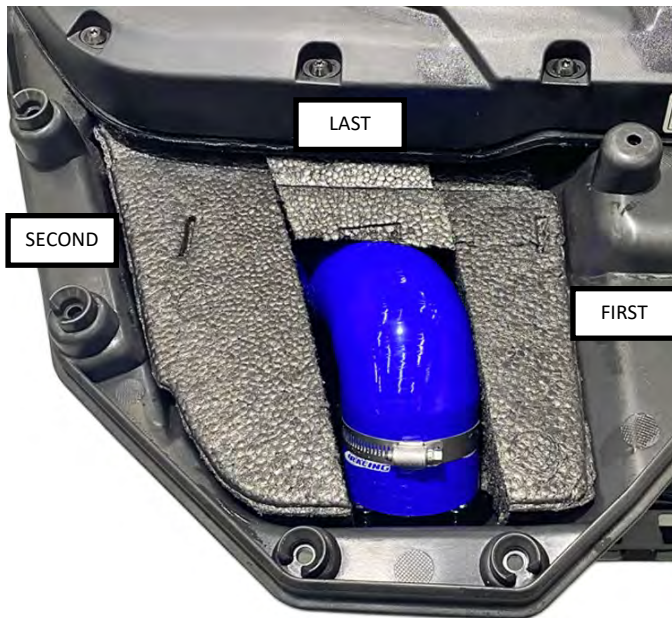
- INSTALLATION INSTRUCTIONS -

THIRD SECTION (MIDDLE)



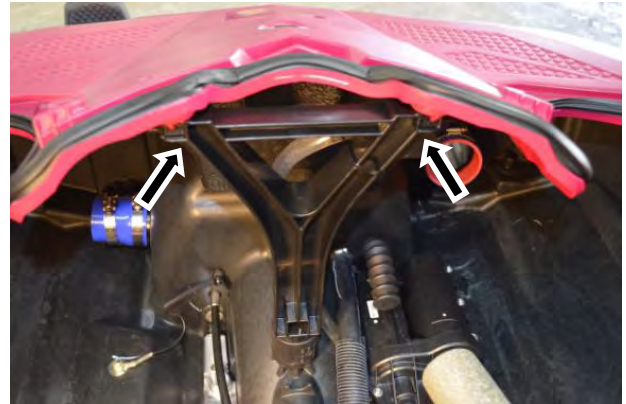
Retain small wedge and discard large remaining portion.

Install foam (3 pieces) in the following order. **TIP: Use lots of glass cleaner. Foaming if possible! Apply generously.**



Replace 3up hull extension deck cover in reverse order of removal process. **NOTE: Do not apply Loctite to screws. Do not overtighten screws.**

Reinstall top, center deck onto lower deck. Make sure rear deck support is correctly positioned and top threaded inserts (2) are in place.



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.

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



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



- INSTALLATION INSTRUCTIONS -

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



NOTE: The Sea-Doo Service Manual recommends replacing M6 side elastic stop nuts. Order replacement part # is 232561200.

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



Reinstall self tapping screws (3) at gas fill cap. Torque to 4.5 N•m / 40 inch•lbs.

Reconnect steering & gauge wire harness. Make sure plugs “click” when connected. Lock each plug together by sliding red locking tab.



Reinstall self tapping screws (2) holding steering cable adjustment to top deck.

Reinstall end of steering cable to steering column arm and secure with M6 bolt.

Reinstall left side knee pad and left side access panel and reinstall seat.

Check bilge for rags, tools etc.

Run craft on a flush hose to check for proper operation.

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@rivaracing.com.

Limited Warranty

RIVA Rear Exhaust 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.

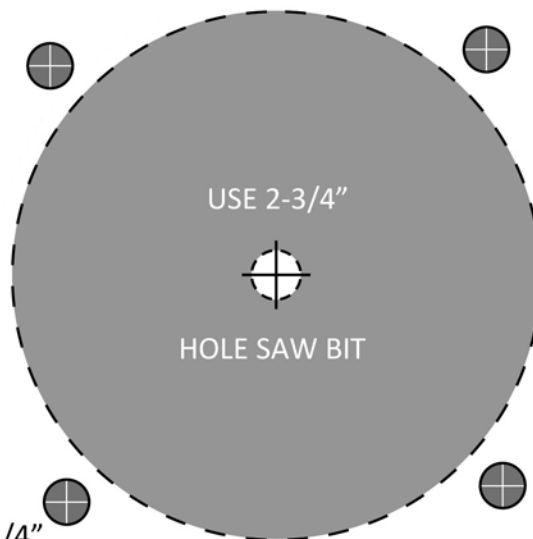
CUT OUT TEMPLATE ALONG DOTTED LINE

IMPORTANT:
Be sure template is
flush against transom

TOP
↑

**DOUBLE MALE
CONNECTOR TEMPLATE**

RS15130-3U



USE 1/4"
DRILL BIT



PRINTER SCALE VERIFICATION LINE
4 INCHES

**BLANK PAGE
INTENTIONALLY**

