

JETSTREAM

ADVENTURE BOATS

Intake Kit: Assembly and Install Intructions

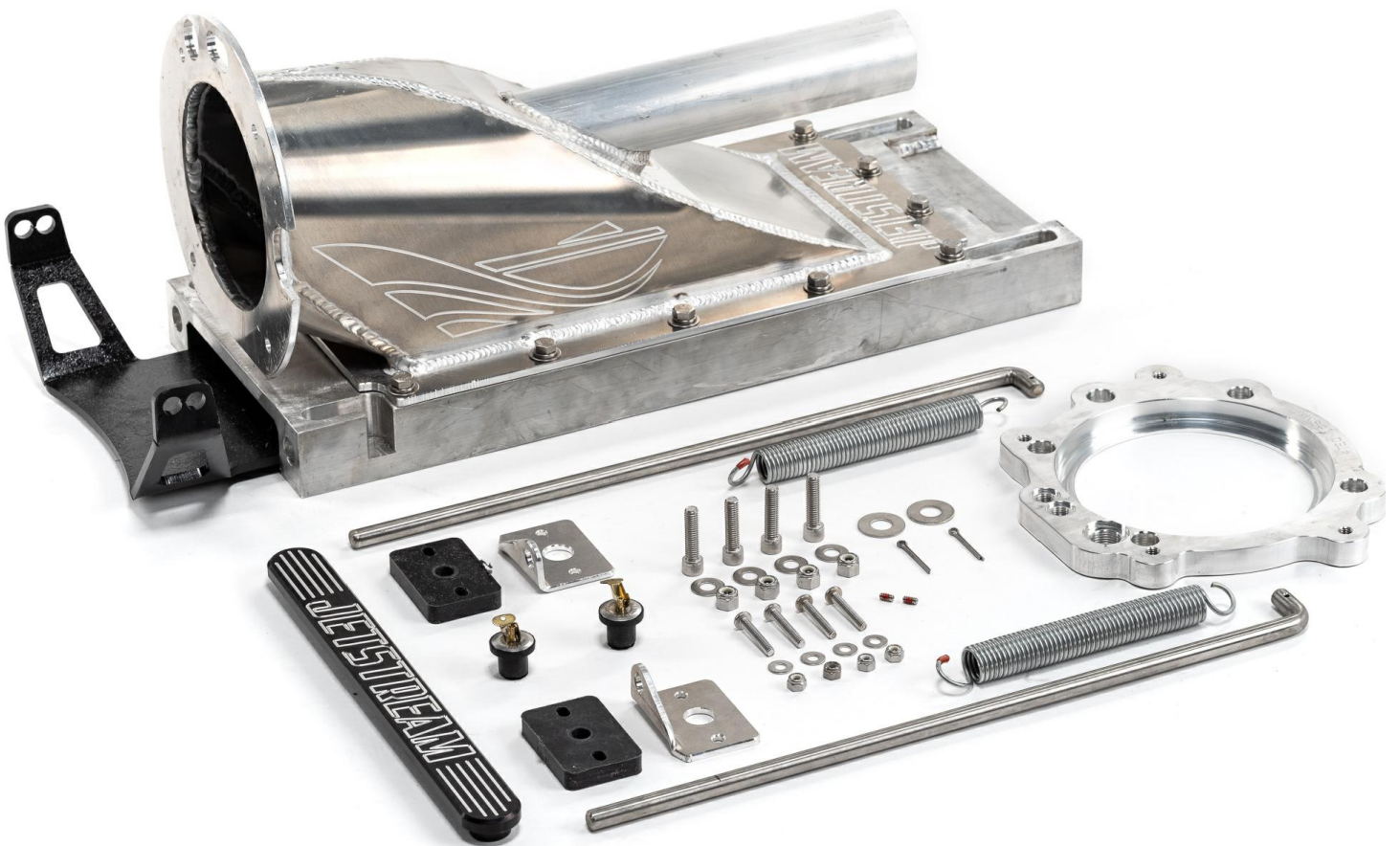


TABLE OF CONTENTS

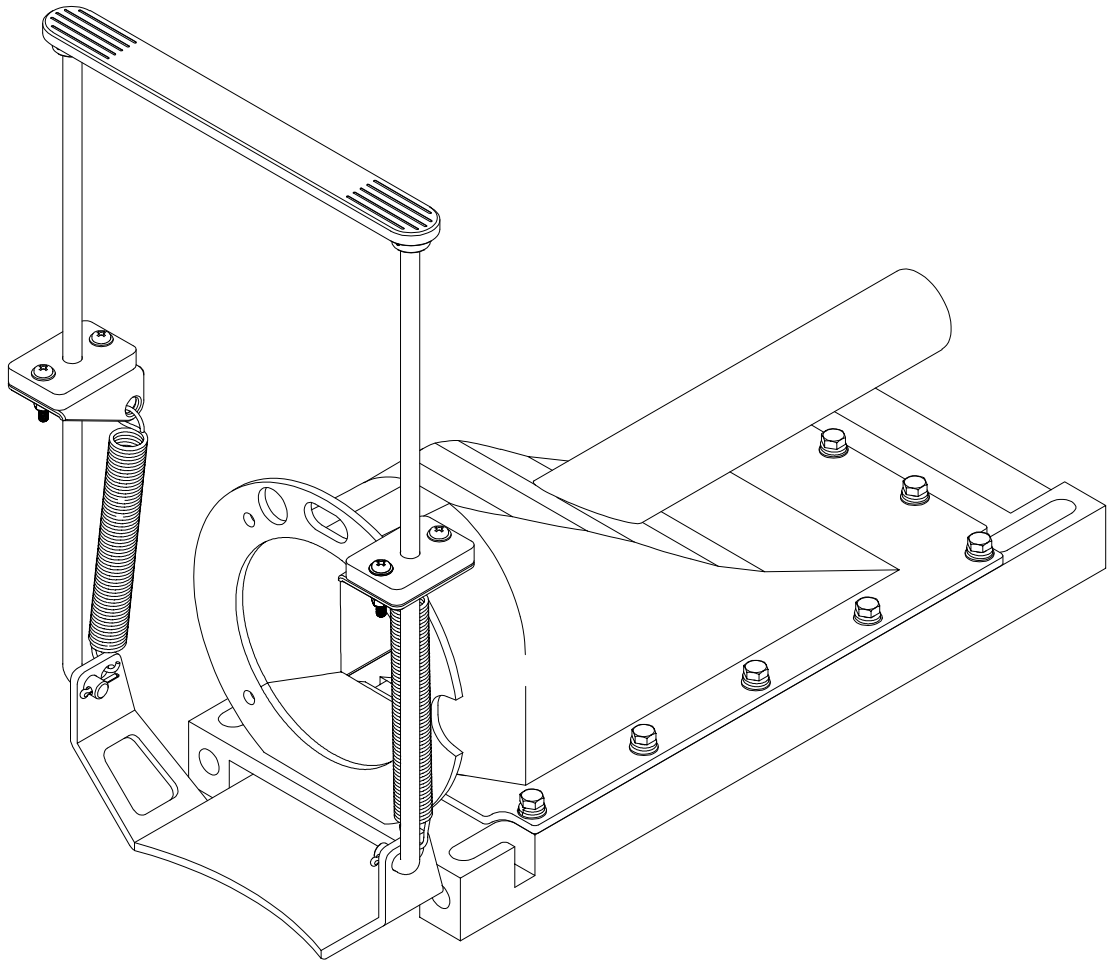
- 00 - INTAKE KIT ASSEMBLY AND INSTALL INSTRUCTIONS
- 01 - TABLE OF CONTENTS
- 02 - OVERVIEW
- 03 - ENGINE MOCK UP
- 04 - HULL PREPARATION
- 05 - INTAKE BASE INSTALLATION
- 06 - PUMP ADAPTER INSTALLATION
- 07 - HOUSING SEALANT PROCESS
- 08 - INTAKE HOUSING INSTALLATION
- 09 - STOMP PEDAL ASSEMBLY
- 10.a - STOMP ROD INSTALLATION
- 10.b - STOMP ROD TEMPLATE LEFT
- 10.c - STOMP ROD TEMPLATE RIGHT
- 11 - STOMPGRATE ASSEMBLY


Caution

The kit contains material with sharp edges: ALWAYS WEAR GLOVES, EYE PROTECTION and all appropriate safety equipment during assembly and ensure you are in a well ventilated area. The processes described in these instructions and the use of the assembled product could be dangerous and serious injury could occur. JETSTREAM BOATS is not liable for any injury or death as a result of using this kit. CAREFULLY read the instructions in their entirety before assembling.

↓

OVERVIEW

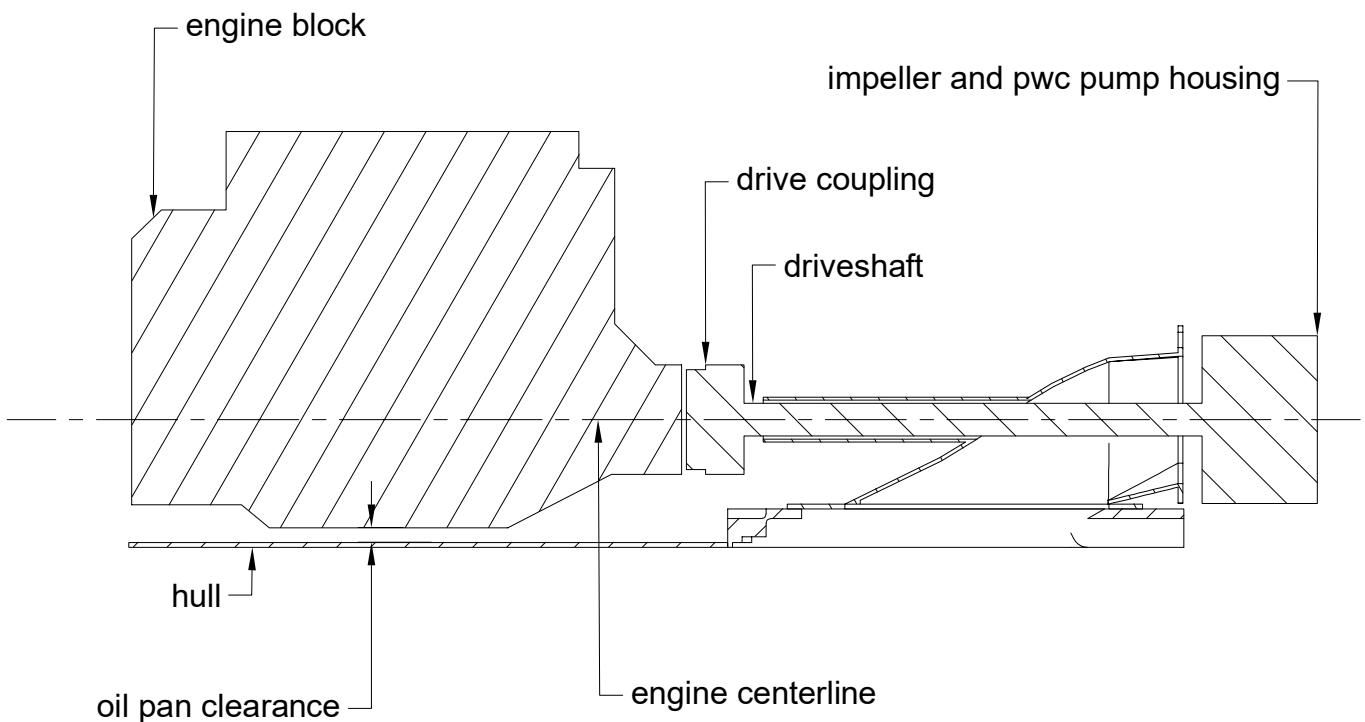


PART LIST			PART LIST		
ITEM	QTY	NAME	ITEM	QTY	NAME
1	1	BASE	13	2	EXTENSION SPRING
2	1	HOUSING	14	2	PUSH ROD
3	2	SS COTTER PIN	15	1	STOMP PEDAL
4	12	$\frac{3}{8}$ SS SPLIT LOCK WASHER	16	4	16 1/4-20 1.5 IN SS PAN SCREW
5	12	3/8-16 $\frac{3}{4}$ IN SS HEX SCREW	17	8	$\frac{1}{4}$ SS FLAT WASHER
6	12	$\frac{3}{8}$ SS FLAT WASHER	18	4	$\frac{1}{4}$ SS NYLON-INSERT LOCKNUT
7	1	STOMP GRATE ASSEMBLY	19	2	#10 SS SET SCREW
8	2	5/16-18 $\frac{3}{4}$ IN HEX SCREW	20	2	$\frac{5}{16}$ SPIT LOCK WASHER
9	2	5/16-18 $\frac{3}{4}$ IN FLAT HEAD SCREW	21	2	$\frac{1}{2}$ FLAT WASHER
10	2	UHMW BUSHING	Page.2  THIS DOCUMENT IS THE PROPERTY OF JETSTREAM ADVENTURE BOATS		
11	1	SPRING BRACKET LEFT			
12	1	SPRING BRACKET RIGHT			

ENGINE MOCK UP

Notes:

1. Before installing your intake assembly, mock up your engine, driveshaft, intake assembly, impeller, and pump.
2. UHMW installation hardware will reduce the clearance between the oil pan and the hull.
3. Measure and note the following clearances:
 - 3.a. Gap between oil pan and hull
 - 3.b. Space between the front of the engine and bulkhead
 - 3.c. Space between the back of the engine and transom
 - 3.d. Space around the front and rear motor mounts

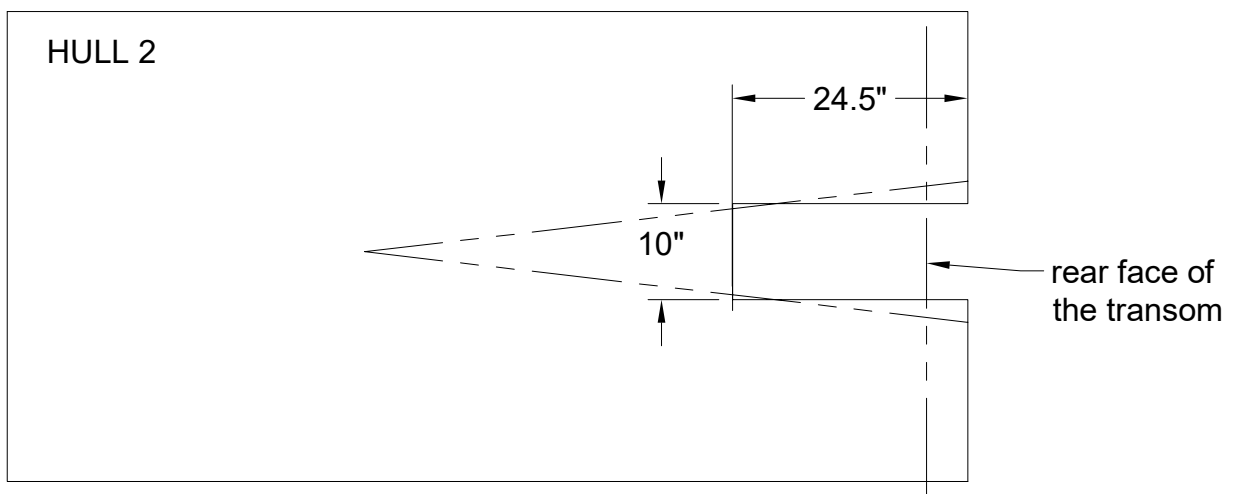
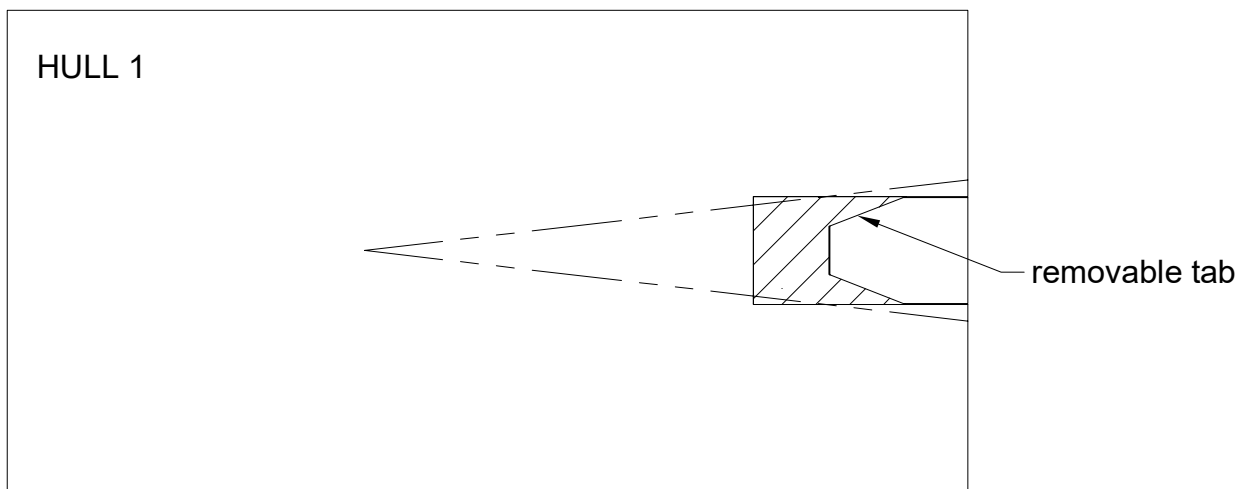




HULL PREPARATION

Notes:

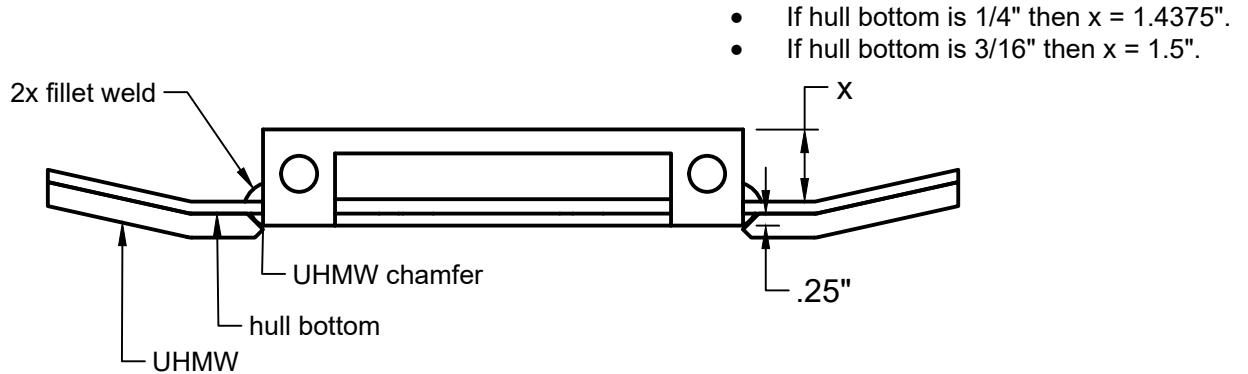
- **Hull 1:** Yamaha 1.8L, leave tab in place to allow the transom to be boxed out 6".
- **Hull 2:** Others models, cut out tab to create space for intake base.



INTAKE BASE INSTALLATION

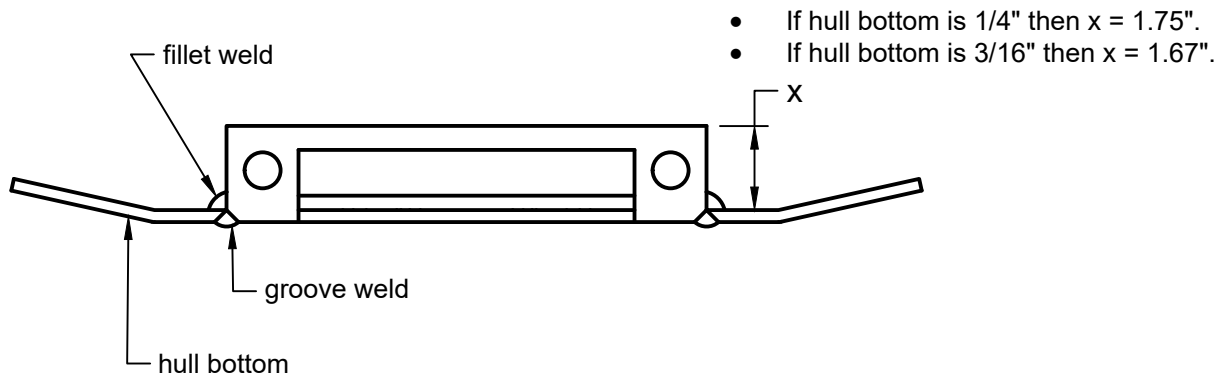
With UHMW

1. Prepare and clean the edges of the hull and intake base that will be welded.
2. Chamfer the top edge of the UHMW surrounding the intake base to create room for fillet weld.
3. Offset the intake base bottom with the hull bottom keeping it above the UHMW bottom edge by between 0.125" and 0.25", approximately.
4. Once the height of the intake base is adjusted for the UHMW, cut the transom to match the width of the intake block and the recommended height as indicated below by x.
5. Blend the UHMW's leading edge to ensure a smooth transition between the UHMW to intake.



Without UHMW

1. Prepare and clean the edges of the hull and intake base that will be welded.
2. Set the intake base bottom to be flush with the hull bottom.
3. Chamfer the mating edges of the intake base bottom and the hull bottom in preparation for a groove weld.
4. Cut the transom to match the width of the intake block and the recommended height as indicated below by x.
5. Blend the groove weld to ensure a smooth transition between the hull bottom and the intake base bottom.



general: dimensions are for reference, exact height may differ.

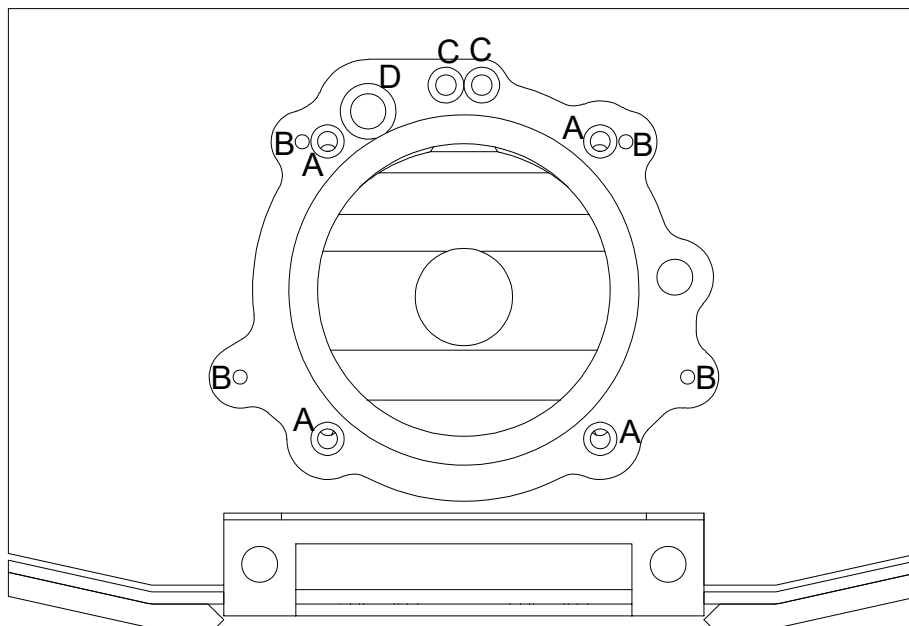
PUMP ADAPTER INSTALLATION

Instructions:

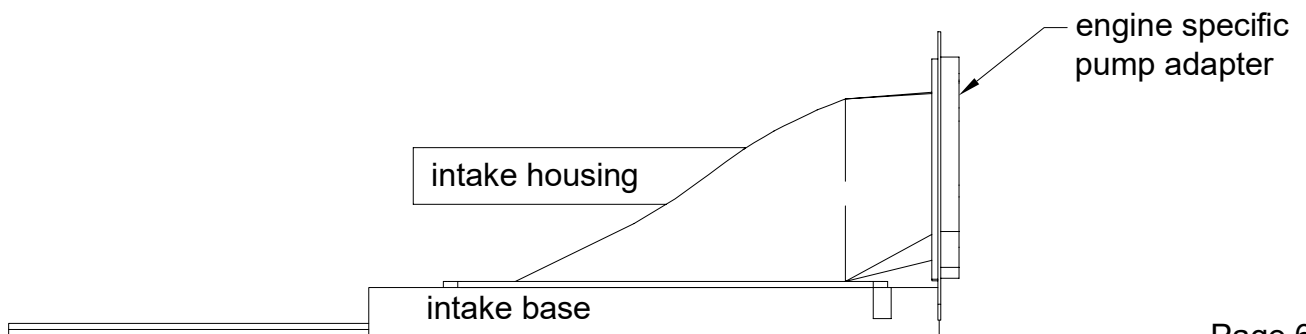
- Complete intake base installation (page 5)
- To use the intake's face flange holes as a guide, bolt the intake housing to the base.
- Using the housing face flange holes as a guide, drill $\frac{3}{8}$ " holes through the transom.
- Bolt the pump adapter to the outside of the boat. The transom should be sandwiched between the housing face flange and the pump adapter.

Pump Adapter Hole Guide (Rear view of transom with Seadoo adapter)

- **A:** Adapter bolt holes
- **B:** Pump mounting holes
- **C:** Venturi bilge 1/4" npt (seadoo only)
- **D:** Engine cooling 1/2" npt (seadoo only)



- **Yamaha Notes:** Use factory metric bolts.
- **Kawasaki Notes:** Your Jetstream Intake Kit comes with a $\frac{7}{8}$ " spacer for the pump mounting bolts.





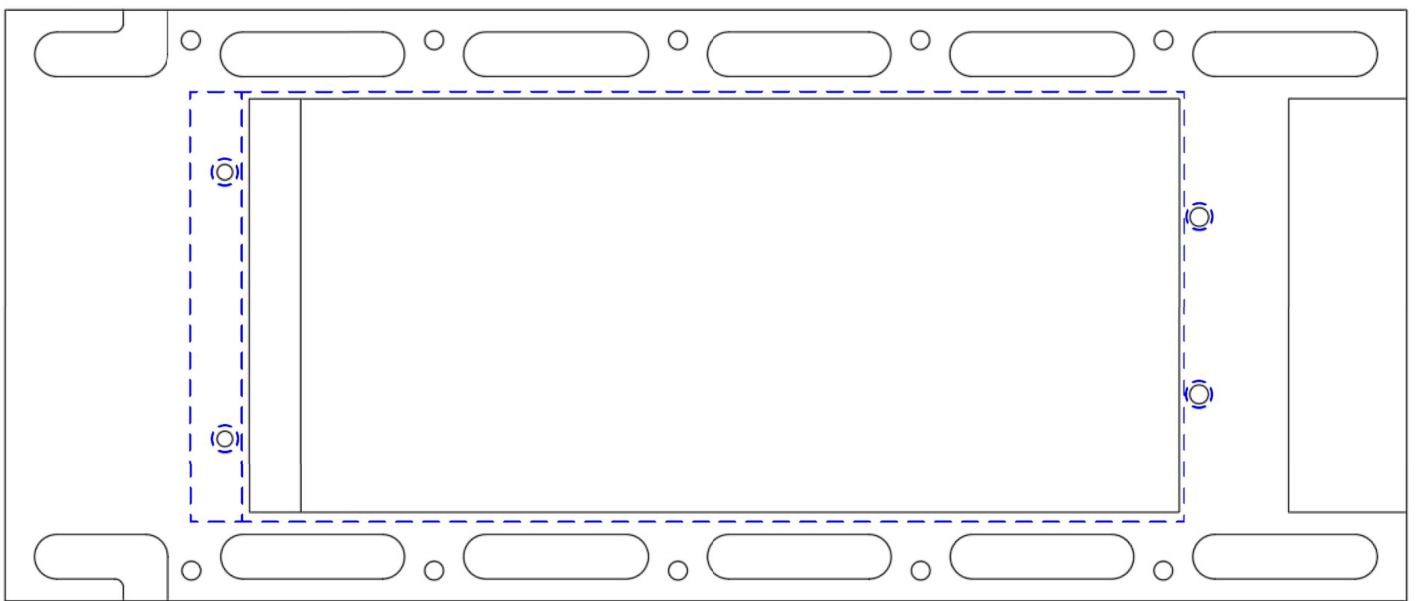
SEALING THE INTAKE HOUSING

Instruction:

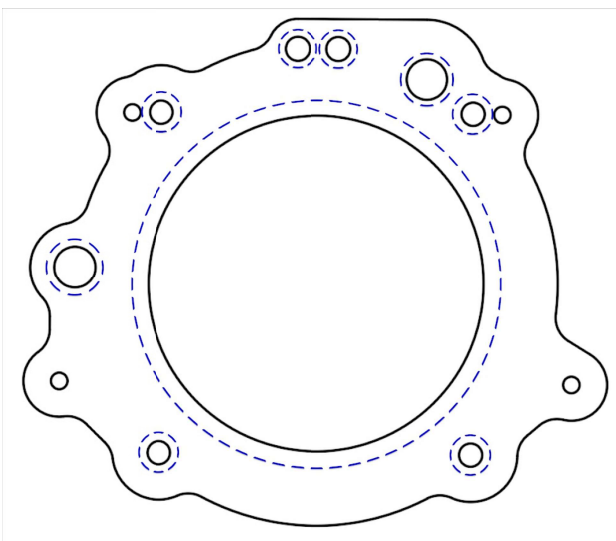
- Apply urethane sealant along the dashed lines in the figures below.
- Be careful not to have urethane sealant too close to edges.

- Intake Base Top.
- Pump Adapter.
- Intake Housing Face Flange.

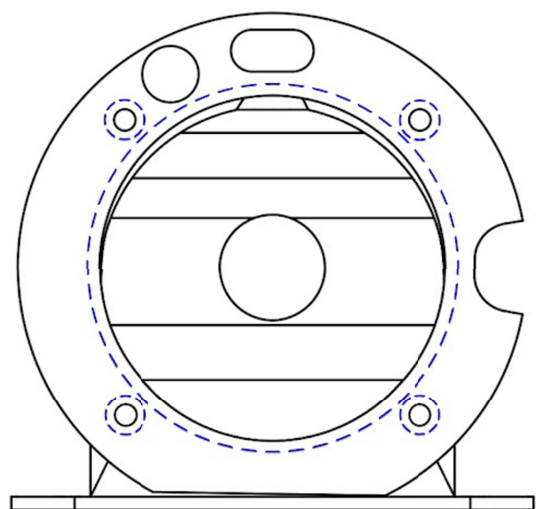
Intake Base Top.



Pump Adapter.

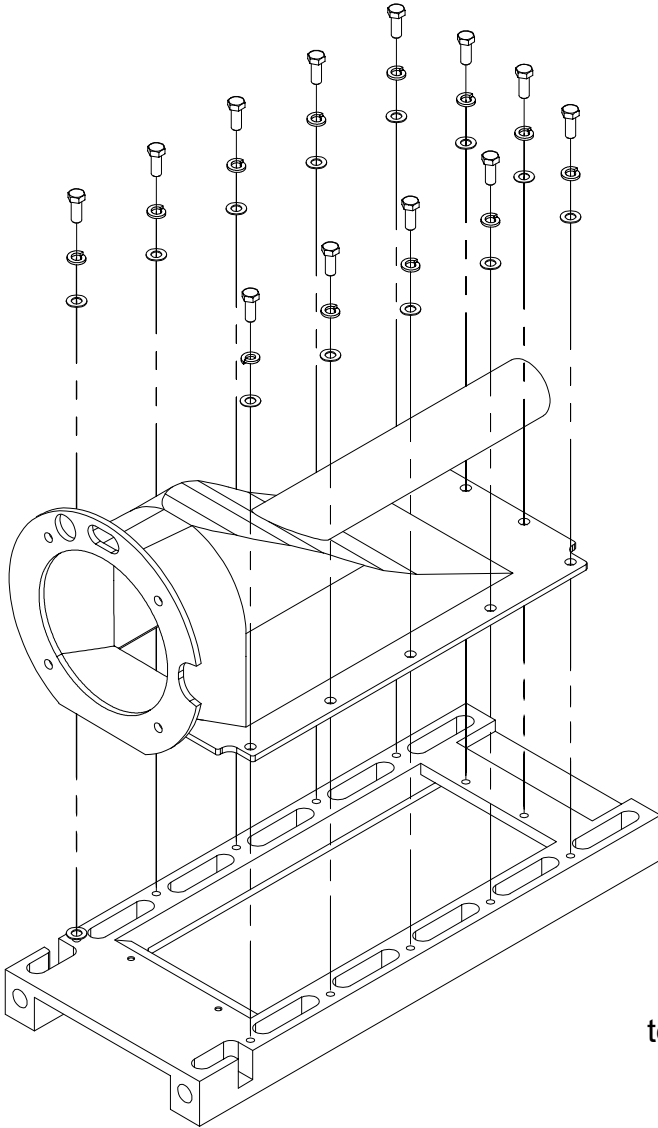


Intake Housing Face Flange.

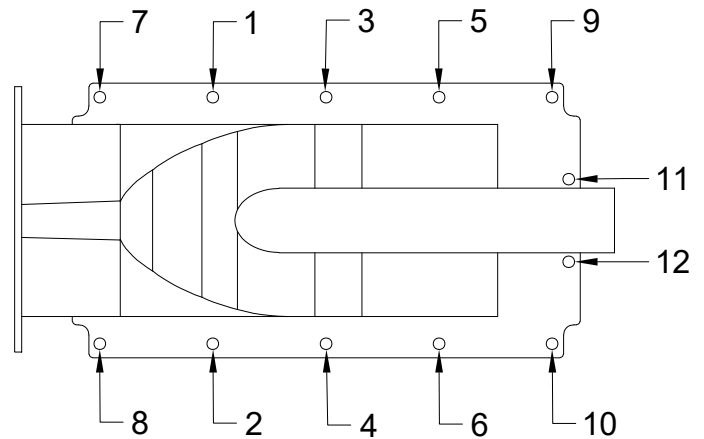


INTAKE HOUSING INSTALLATION

*Note: Apply anti-seize lubricant to all stainless steel fasteners.



torque sequence for intake housing

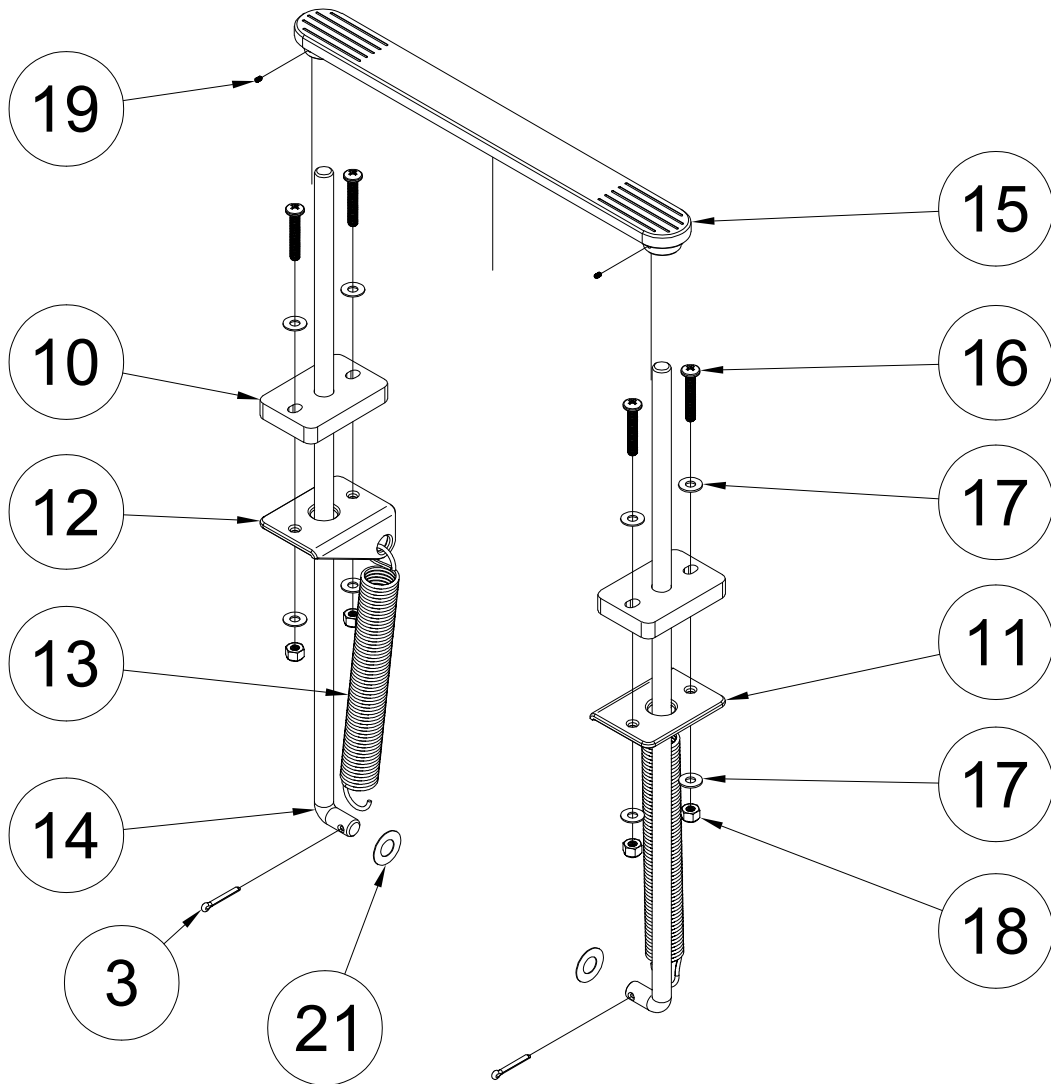


PARTS LIST

ITEM	QTY	NAME
1	1	BASE
2	1	HOUSING
3	12	$\frac{3}{8}$ SS SPLIT LOCK WASHER
4	12	$\frac{3}{8}$ -16 $\frac{3}{4}$ IN HEX SCREW
5	12	$\frac{3}{8}$ SS FLAT WASHER

STOMP PEDAL ASSEMBLY

*Note: Apply anti-seize lubricant to all stainless steel fasteners.



PARTS LIST

ITEM	QTY	NAME
3	2	SS COTTER PIN
10	2	UHMW SPACER
11	1	SPRING BRACKET RIGHT
12	1	SPRING BRACKET LEFT
13	2	SS EXTENSION SPRING
14	2	PUSH ROD
15	1	STOMP PEDAL
16	4	1/4-20 1.5 IN SS PAN HEAD SCREW
17	4	1/4 SS FLAT WASHER
18	4	1/4 SS NYLON-INSET LOCKNUT
19	2	#10 SS SET SCREW
21	2	1/2 FLAT WASHER

STOMP ROD INSTALLATION

To use the stomp rod hole template on pages 10b and 10c follow the directions below.

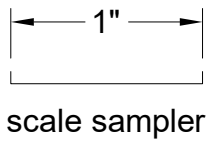
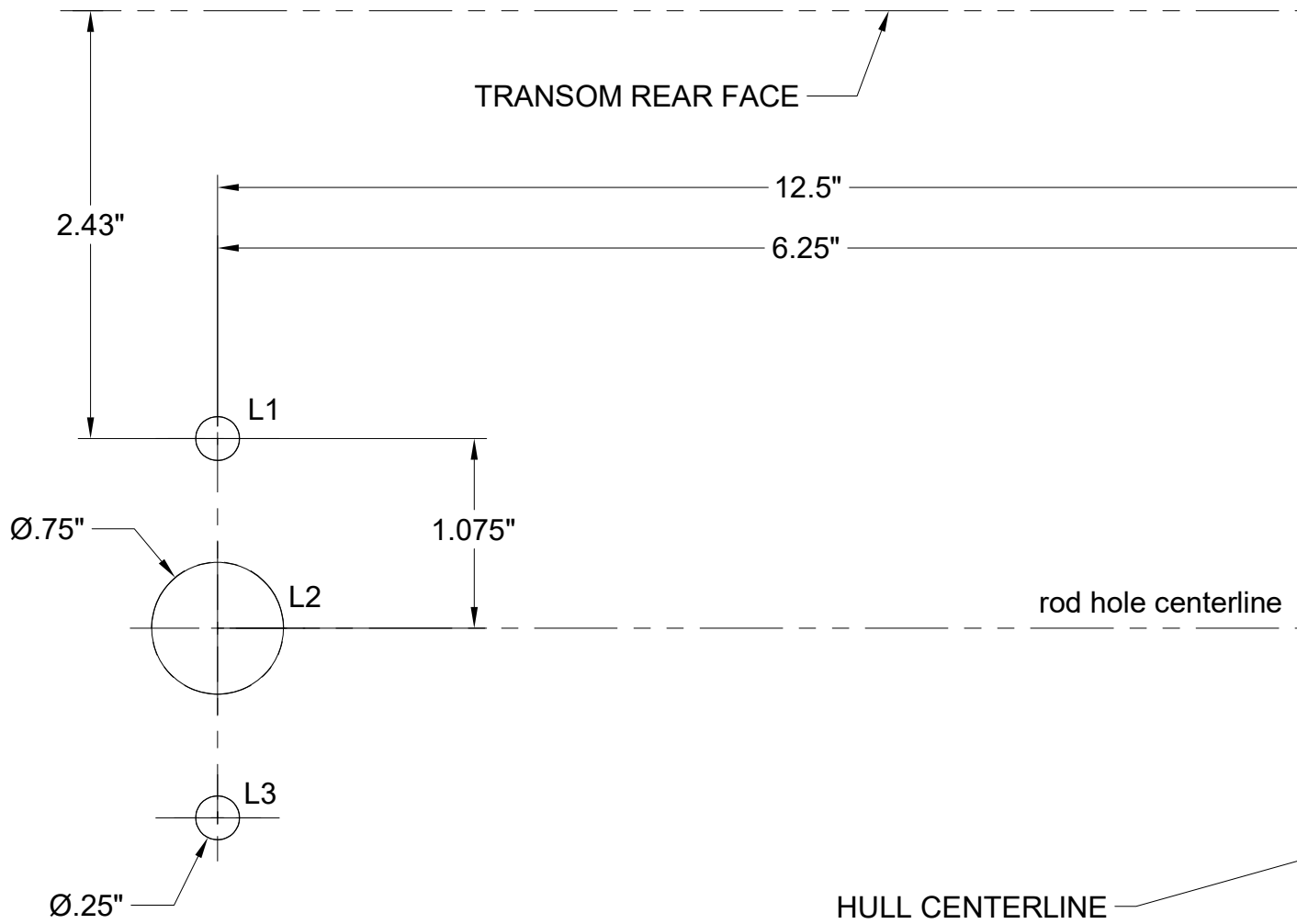
Directions:

1. Print the stomp rod hole template (pg 10b and 10c).
2. Scale sampler should measure 1"
3. Align the hull centerlines and the rod hole centerlines and tape the left and right template together.
4. Set the template on top of the swimdeck and up against the transom and then tape down.
5. In preparation for drilling, mark the center of holes L1, 2 and 3 and R1, 2, 3.

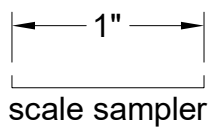
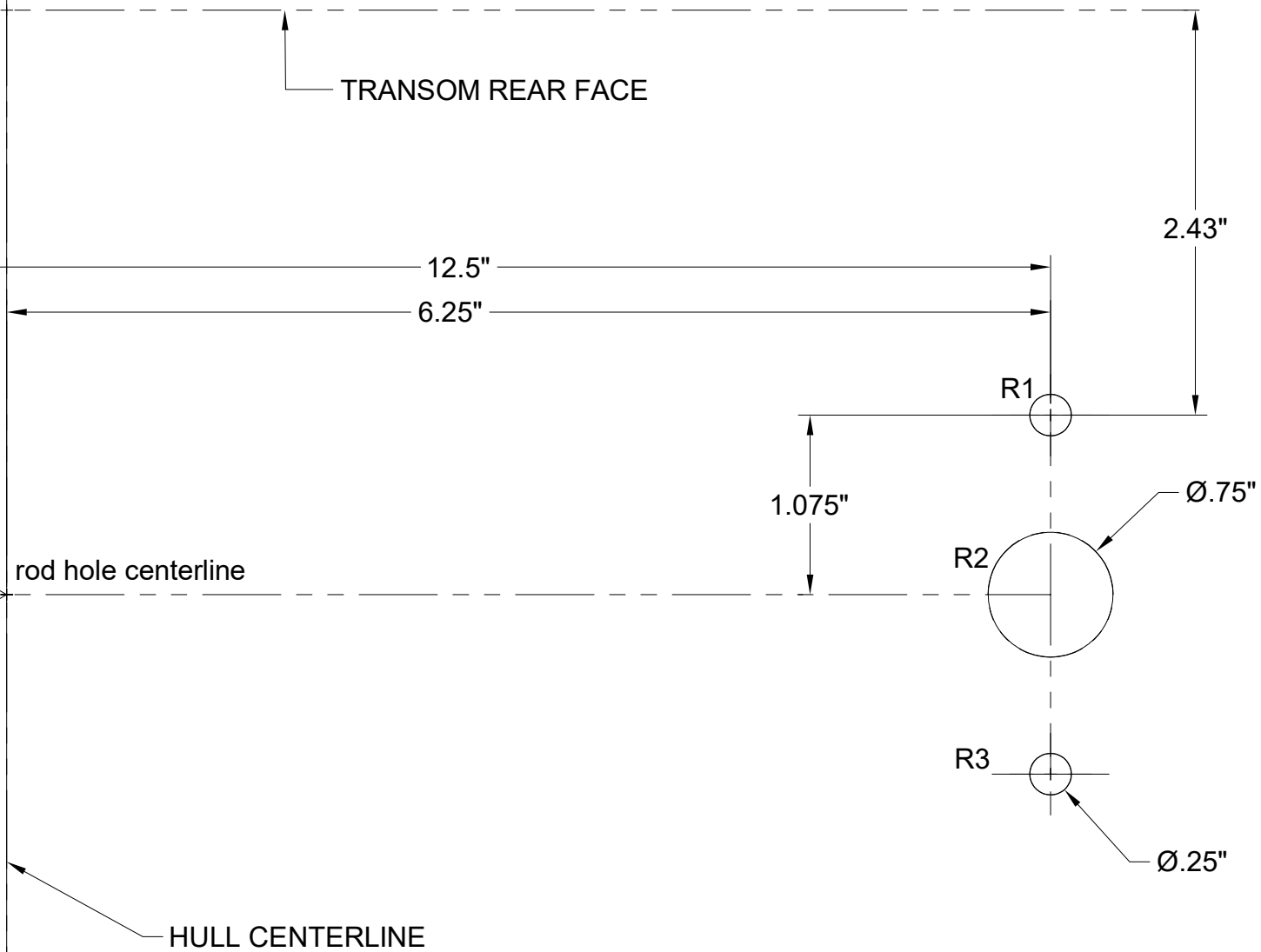
Important Measurements:

- L1 diameter: 0.25"
- L1 to L2: 1.075"
- L2 TO R2: 12.5"
- L2 to hull centerline: 6.25"
- L2 to transom rear face: 3.5"
- L2 diameter: 0.75"
- L3 diameter: 0.25"
- L3 to L2: 1.075"
- R1 diameter: 0.25"
- R1 to R2: 1.075"
- R2 TO L2: 12.5"
- R2 to Hull centerline: 6.25"
- R2 to transom rear face: 3.5"
- R2 diameter: 0.75"
- R3 diameter: 0.25"
- R3 to R2: 1.075"

2 - STOMP ROD TEMPLATE - LEFT

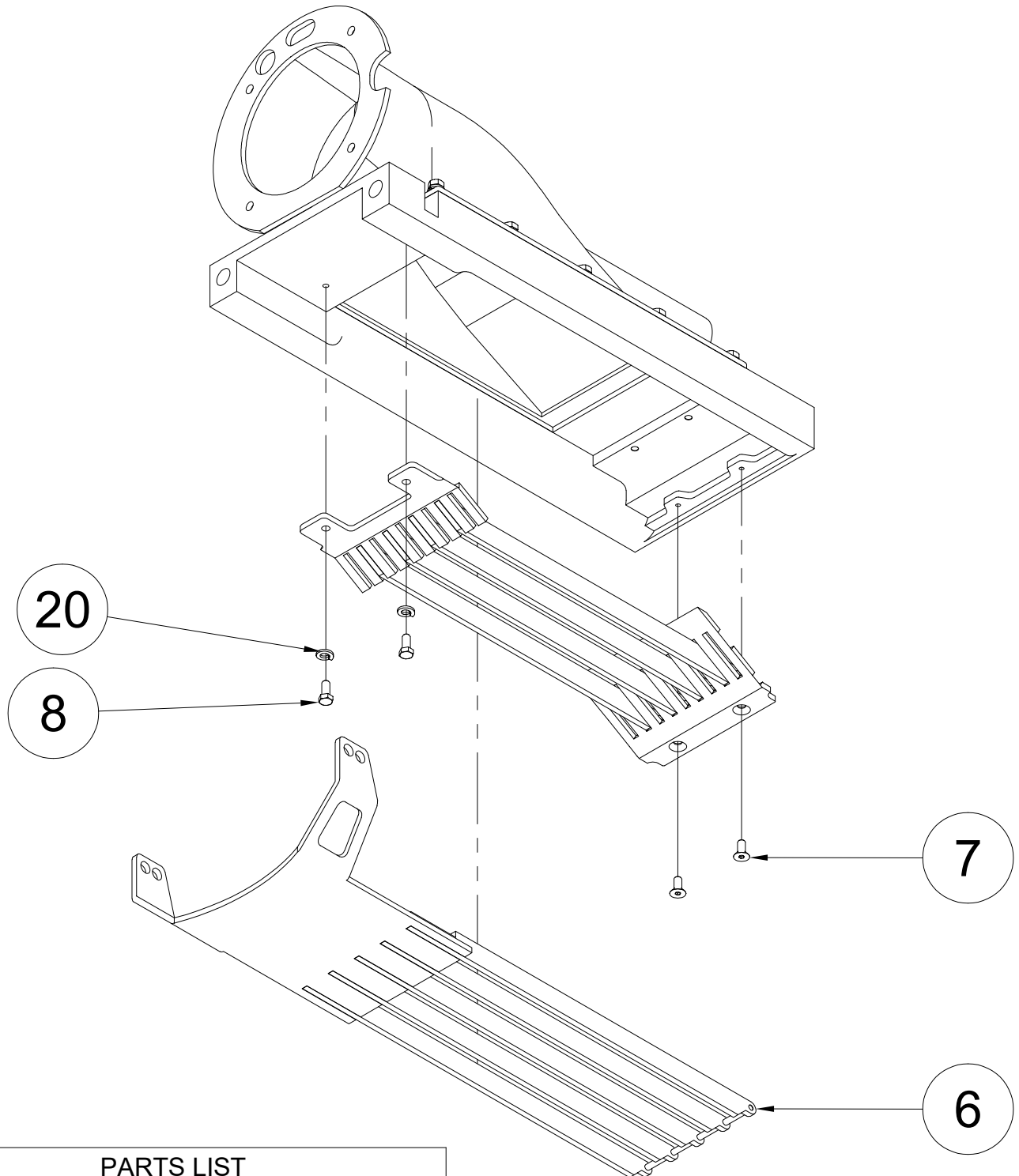


STOMP ROD TEMPLATE - RIGHT



STOMPGRATE ASSEMBLY

*Note: Apply anti-seize lubricant to all stainless steel fasteners.



PARTS LIST

ITEM	QTY	NAME
7	1	STOMP GRATE ASSEMBLY
8	2	5/16-18 SS HEX SCREW
9	2	5/16-18 $\frac{3}{4}$ IN SS FLAT SCREW
20	2	SPLIT LOCK WASHER X2