

FIG. 1 – Illustration of assembly


Note: Several cushion sizes are included in the Gorilla Thru Hull Hardware Kit. Use whichever under hull cushion works best for your application. Wilder Side has used all three (Oblong SML, Oblong LRG, and Half Moon on under hull applications of Old Town Bigwater and Old Town Salty PDL). The best advice is to find vertical structure like the curve or edge of the outer hull (best) or the vertical wall of the rear tank well (next best) to locate the cushion up against. Note: Leave room for the cushion half-width when drilling Gorilla bracket mounting holes.

As in Illustration, you may mix or match cushion design on a Gorilla bracket depending on under hull shape and structure.

The half moon cushion is useful for irregular or sloping structures. It can be used stand alone or in conjunction with other cushions to avoid a slide loaded washer/nut combination.

Note: Bevel edge of all cushions should be against kayak hull to avoid corner loading.

Note: Wilder Side recommend using the WS-5N3443 fender washer under the larger WS-7N8463 Oblong Cushion due to the long and wide bolt slot.

 WILDER SIDE		Wilderside.life (833) 949-4222	
Part Number	WS-5Q1632		
Description	Gorilla Mount Thru Hull Hardware Kit		
Item #	Part Number	Qty	Part Description
1	WS-1P8344	4	Round Load Cushion 1.2"D
2	WS-2P1899	4	Oblong Cushion SML
3	WS-7N8463	4	Oblong Cushion LRG
4	WS-1Q7798	2	Half Moon Washer 0.75" 0.375 tall
5	WS-9T7763	4	Hex Head Cap Screw Fully Threaded 1/4"-20 x 3L SS
6	WS-7Q5372	4	Hex Head Cap Screw 1/4" by 2.5"L Stainless
7	WS-1N6682	4	Locknut 1/4" Stainless
8	WS-1N6997	8	Washer 1/4" Stainless SAE
9	WS-5N3443	4	1/4" Fender washer Stainless 7/8" dia

Two lengths of mounting bolts are provided in the kit, depending on your situation. If you prefer to have the bolt head down inside the hull, then the 2.5" long cap screw may be just long enough so that the top of the bolt is flush with the top of the locknut on top. However, for those who may have additional structure underneath, longer 3" bolts are also provided to ensure full thread engagement, as seen in **FIG. 1**.

Normally, the top hull material is located between the round load cushion and the oblong load cushion underneath as shown by the gap in the illustration below. Note: gap is exaggerated for illustrative purposes.

We expect you will have leftover load cushions after installation. The kit comes with a variety of cushion shapes to adapt to a wide array of kayak hull shapes and space claims.

Do not over-tighten the through hull mounting bolts. Your hull will flex with loads and temperatures. The joint should only be hand tight. Depending on hull shape, you may even want to leave a small gap or play in the system. The kayak is hanging from the Gorilla bracket similar to a suspended ceiling. Let the bolt and the locknut do their work. Overtightening can do more harm than good.

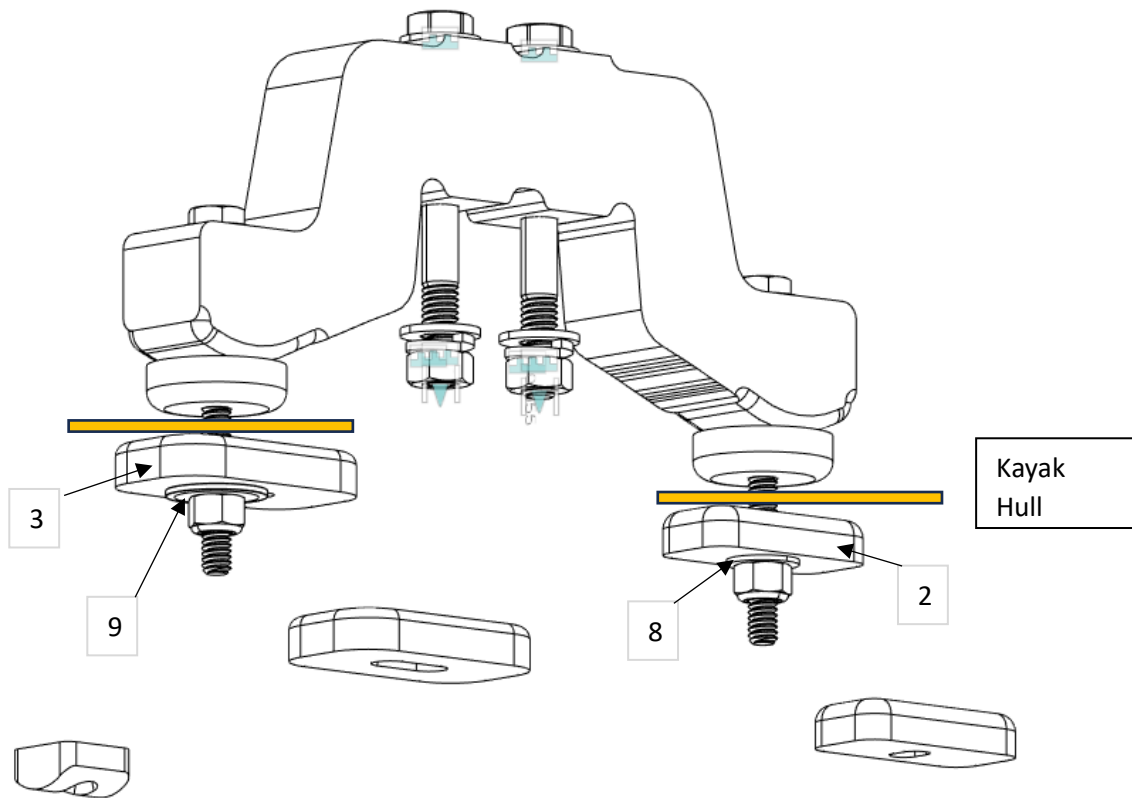


FIG. 2 – Alternate view of assembly with various load cushions employed.