

Off-Road Clamp for Hoverbike.

Start by removing the bolt and the latch from the original clamp.



The clamp we are making is for the G2-A4 SUV STYLE Offroad 8.5" 350w Hoverboard...non-round center hub. Hub is 3.5" deep x 2.5" tall.



After stripping bolt and latch, save original...who knows what your future board will be.



This was a prototype so its not pretty and has a couple of mis-drilled holes...but it works great.



The inside is lined with furniture felt(\$3.48 2pk). It comes 2 sheets of 4.25"x6"....makes two clamps.



If your board is a 8.5" your hub should be the same. Therefore buy a 3" ABS coupler(ID=3.5") in the plumbing section(\$1.88). If bigger a 4" coupler. Measure distance between lights and trim each end equally so the clamp doesn't cover or rub them. Using a cutoff saw works best.(please be carefull and use clamps to hold peice in place).



After trimmed, turn on side and cut circle in half. In one of the pieces drill a hole for the bolt in the center of the half piece. Just like the original clamp. Use a countersink drill on the inside of the hole so the panhead of the bolt is flush. Don't worry about the nut mold like the original.



On the same piece mount the latches clasp right on

the clamshell edge as in photo.



On the other end mount one side of a small 1.5" hinge(\$2.48 2pk).



Now the other piece you mount the latch. Be sure to observe how it was mounted on original. Now attach the hinge to this piece. At this point you have a clamshell. You can use panhead bolts but our finished product will be riveted for a strong hold and smooth surfaces.

At this point line the inside with felt. You'll notice the latch doesn't close tight until you fit it to boards hub. Your new clamp will be snug. As time goes by the felt will wear and the clamp will loosen.



Enjoy your ride.

R.G.
IAWFilmWorks

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