

CLAMP-2 Assembly Instructions

Works in Progress has decided to add another battery clamp option to their line. We're still looking for "military-style" battery clamps cast in something other than lead (brass would be preferred, we're working on it...) but this gives you a "flatter" option, and you can safely attach up to four large-gage cables to it.

Here it is:



This is essentially a "universal repair" clamp with the strap removed (it was brass-plated steel anyhow.) I've never liked using a strap over a stripped wire on a battery, and I've never done it for long (just to get home, mainly.) You've probably bought a set of my battery cables, so you've got an idea how I do things.

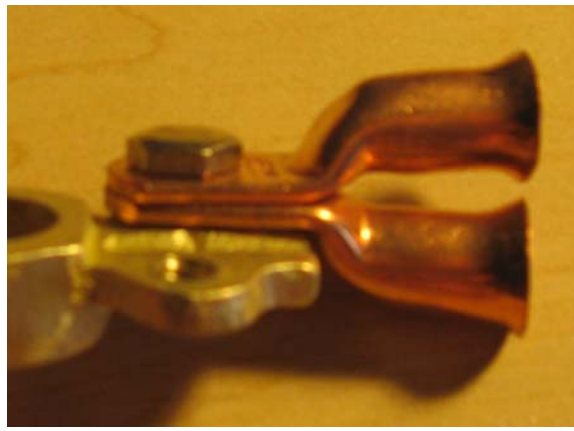
The chief attraction of this clamp is that it is brass (vice lead,) and you've probably figured out how I feel about that. Like CLAMP-1, the screw holes are threaded ($\frac{1}{4}$ "-20,) so finding hardware is fairly easy. The clamp bolt & nut are the same as on CLAMP-1 – and nearly every other cast battery clamp going.

As I said, the holes in the clamp (for the screws) are threaded, so you don't need to find nuts for them. Just put the eyelets around the screw shank and tighten it down – German torque (*gutentite*) works well. You won't need to crank the screws down – just make sure they won't move. A shorty $\frac{7}{16}$ " wrench is the order of the day here. And, you can replace the screws if you lose one – just get a $\frac{1}{4}$ "-20 in the length you'll need.

Cables can be stacked on the screws – if it's a single cable, it can go on either way (bulge up or bulge down.) If you want to put two on the same screw, you'll need to stack them with the flat sides of the lug together – as you can see here:



Here you can see only one lug on the near post, and two lugs on the far post. Here's a better picture of the "double stack":



Here, you can clearly see that the lugs are “back-to-back,” and that allows them to be properly secured with the shorter screw. You could put them “belly-to-belly,” but that would require machining a spacer to keep the screw (and stack) tight. No, I don’t have measurements – but I can probably tell you what you’d need, if you ask nicely and are patient.

As with CLAMP-1, these parts are all standard and can be found easily. Brass is preferred for replacement hardware (check a marine supply house,) with stainless steel being a second choice.

Jon D. Kelley
Kelley's Works in Progress