



◀ ANDY WEYENBERG

Andy Weyenberg began welding at his father's business a few years before joining the Army. After going to school for Electro-Mechanical, he started working for Miller Electric Mfg. LLC as a technical service rep and training instructor. Andy has built and raced stock cars since he was a teenager — and now builds high-performance street vehicles while also managing the Miller motorsports program.

SKILL LEVEL: Intermediate
TIME COMMITMENT: One day or less

/ TOOLS AND MATERIALS



**Miller® Multimatic® 220
AC/DC welder**
(or other multiprocess welder)



18 or 20 gauge steel



Tin snips or shears



**Bending brake or hand
bending tool**



Dead blow or rubber hammer



Drill or hole punch



Tape measure



Marker

Optional Equipment/Tools



**Small barrel
bolt latch**



**Miller
blue paint**

**WARNING: READ AND FOLLOW ALL LABELS AND THE
OWNER'S MANUAL.**

WELDER TOOL TRAY



AS SEEN ON REAL GARAGE
[YouTube.com/RealGarageWithAndy](https://www.youtube.com/RealGarageWithAndy)

A DIY tool tray for your welder is great to hold all your tools and keeps them close while working. Make one of your own with these instructions.

STEP BY STEP

**STEP
1**



Measure the top of your machine to decide how big the tray should be. I made my tray 1 1/2" to 2" larger than the machine for extra room to hold my tools. You'll need to determine the height for the tray sides and if you want a lip on one side to hang additional tools. This design is great for the small frame Millermatic® and Multimatic® welders or any machine with front and rear handles.

**STEP
2**



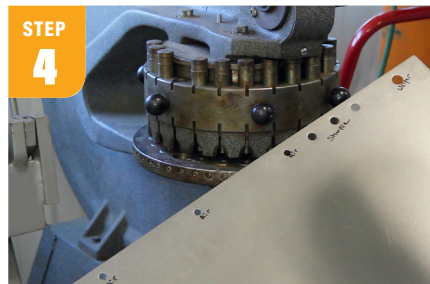
With a shear or tin snips, cut the steel to the dimensions selected in step one. Then, mark and notch the corners for bending the sides up. The corner notch measurements for my tray are 2 3/4" x 1 1/2" on the right side (where the tool holder lip will be) and 1 1/2" x 1 1/2" on the left side. Be sure to keep the leftover metal to make the brackets in step 6.

**STEP
3**



After you cut the notches on your corners, you'll notice the metal twists slightly. Use a dead blow or rubber hammer to straighten out the metal.

**STEP
4**



Drill or punch holes for each of the tools you are planning to mount on the tool holder lip. The holes will need to be slightly larger than the circumference of each tool. If you plan to hang any of your tools, cut slots out so that you can slide them into place.

Continued on next page



Continued from previous page

STEP
4



Bend each of the sides starting with a double 90° bend for the tool holder lip. Note that 20 gauge material bends easier with a hand bending tool, but you can also use a bending brake. Once all 4 sides are bent, add a small retainer lip on the edge of the first side to hold the tools in place.

STEP
5



Cut the front and rear bottom braces to 6" x 1 3/4". These will bump up to the front and rear handles of the welding machine. Cut 4 1/2" x 4" of material for the center mounting bracket.

STEP
6



Drill or punch three 1/4" or 5/16" plug weld holes 3/8" from the edge of the front and rear braces. Then, drill or punch three plug weld holes 1/2" along the 4 1/2" side of the center mounting bracket.

STEP
7



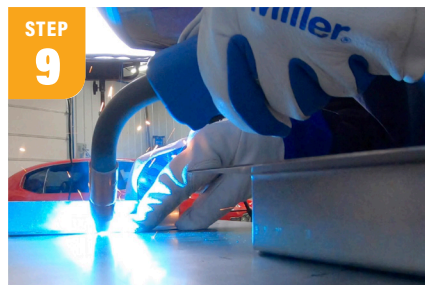
Bend the front and rear braces 90°, 3/4" from the side (including the plug weld holes). Your finished part should have a 1" solid side and 3/4" side with the plug weld holes.

STEP
8



Bend two opposing 90° bends on the center bracket. One bend 1" from the edge containing the plug weld holes and one bend 1 1/2" from the other side.

STEP
9



Plug weld the front and rear braces to the bottom of the tray so that they sit inside the handles. Plug weld the center bracket so it can slide under the welder's center handle. This bracket will need to be welded approximately 3/4" off-center for the tray to be centered when slid into place.

STEP
10



Spot weld the inside corners of the tray.

STEP
11



Optional: Plug weld small barrel bolt latch to bottom of tray where it can hold the access door open when locked.

STEP
12



Optional: Paint your tray Miller blue, which you can get from your local distributor. Once dry, slide the tray into place on top of your welder, add tools and you're ready to get to work!



To get the latest welding project in your inbox,
sign up for the Miller DIY newsletter.

millerwelds.com/resources/newsletters

