

Metal Craft[®]
**ALUMINUM
DOCKS & LIFTS**

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Assembly and Installation Manual 3-PERSON ALUMINUM BENCH

MCD p/n 0227-00 v1.2 April 4, 2011

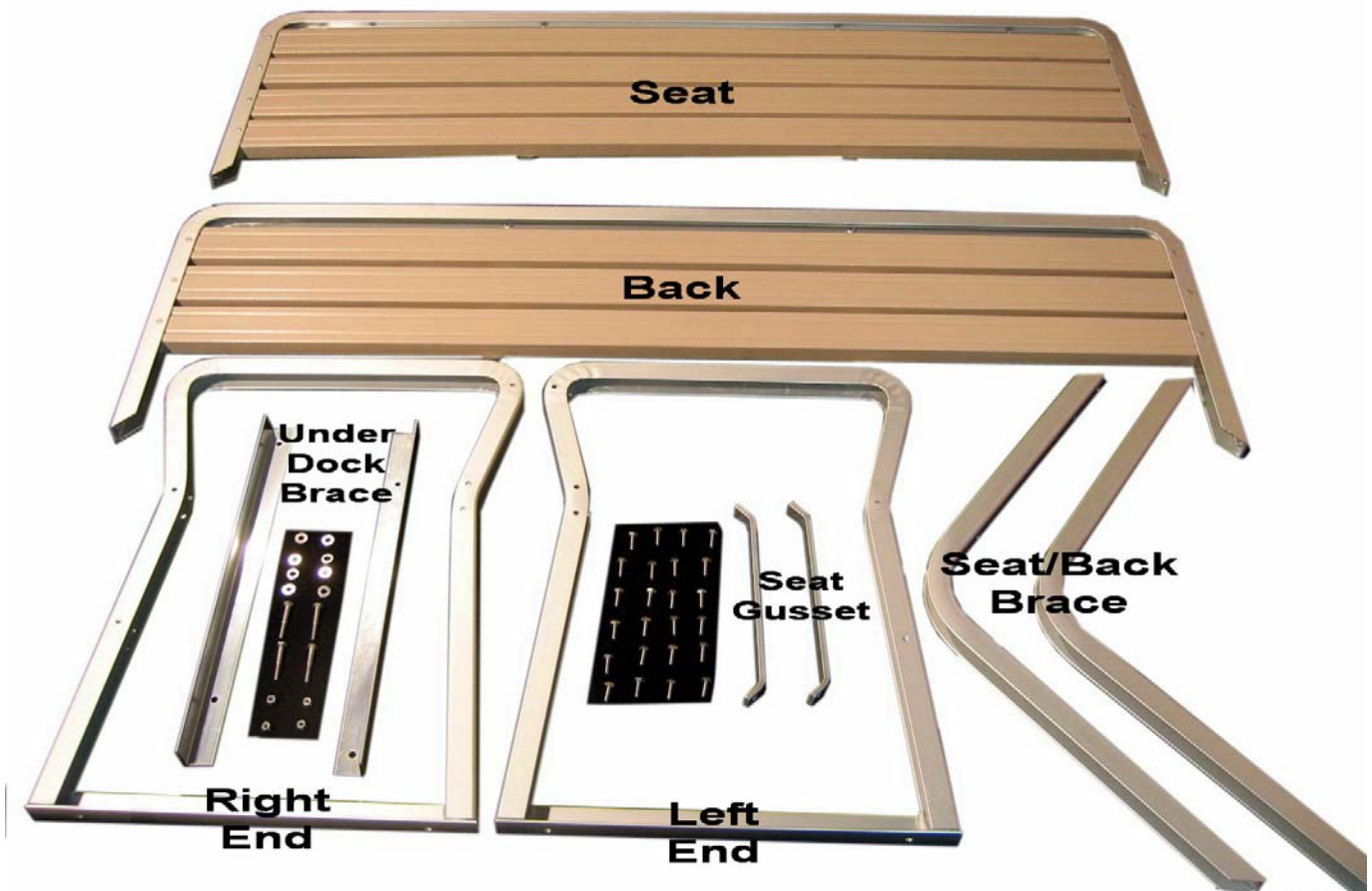


A. Parts Description

1. Check the following parts to ensure you have all the items necessary to assemble your new Metal Craft 3-Person Bench:

Qty. Packed	Part No.	Description
1	0174-00	3-Person Bench, Seat Assembly (4 slats)
1	0180-00	3-Person Bench, Back Assembly (3 slats)
1	0185-01	3-Person Bench, Left End Assembly
1	0185-02	3-Person Bench, Right End Assembly
2	0188-00	3-Person Bench, Seat/Back Brace (U-channel, bent in center)
2	0189-00	3-Person Bench, Seat Gusset (flat bar, bent at each end)
24	0075-01	3/4" x 1/4"-20 Stainless Hex Head Bolt
2	0187-00	Mounting Kit, Under Dock Brace (angle)
4	0075-04	Mounting Kit, 1-3/4" x 1/4"x-20 Stainless Hex Head Bolt
8	0075-08	Mounting Kit, 1/4" Stainless Flat Washers
4	0075-09	Mounting Kit, 1/4" Stainless Hex Head Lock Nut
1	0227-00	3-Person Bench, Assembly & Installation Manual

"Left" and "right" are determined as if sitting on the bench and looking forward.



If any problems are found, do not proceed. **Call your Metal Craft Dealer.** Or, reach Metal Craft at **800-989-3625** or at **www.metalcraftdocks.com**

B. Assembly Instructions

Leave bolts loose (1/8" to 1/4" from tight) during assembly. This will ease alignment of the holes and speed installation of the bolts. Do not tighten bolts until Bench is fully assembled.

Use a chair or similar prop to simplify assembly, as shown in the photos below. Assembly time is approximately 45 minutes.

Step #1 -

Assemble the **Seat**, **Left End** and **Right End** together:

1	0174-00	3-Person Bench, Seat Assembly (4 slats)
1	0185-01	3-Person Bench, Left End Assembly
1	0185-02	3-Person Bench, Right End Assembly
4	0075-01	3/4" x 1/4"-20 Stainless Hex Head Bolt



Step #2 -

Next, attach the **Back**:

- | | | |
|----------|----------------|---|
| 1 | 0180-00 | 3-Person Bench, Back Assembly (3 slats) |
| 4 | 0075-01 | 3/4" x 1/4"-20 Stainless Hex Head Bolt |

Hold the back in place while inserting the bolts. Inserting the bolt at the top inside of the End can be frustrating due to the tight clearance. Small fingers are better for this.

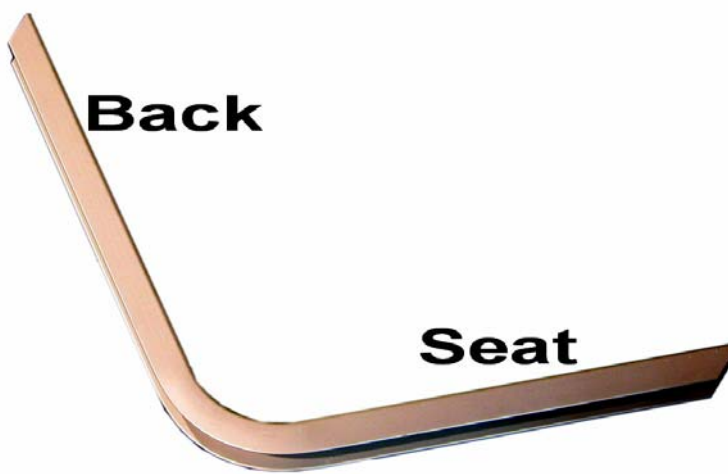


Step #3 -

Next, attach the two **Seat/Back Braces**:

- | | | |
|-----------|----------------|---|
| 2 | 0188-00 | 3-Person Bench, Seat/Back Brace (U-channel, bent in center) |
| 12 | 0075-01 | 3/4" x 1/4"-20 Stainless Hex Head Bolt |

Note that the longer arm of the Brace attaches to the **Back**:



First, attach the Brackets to the Back:



Turn the Bench upside down on the support to get access to the back and seat bottom:



Step #4 -

Install the two **Gusset Arms:**

- | | | |
|----------|----------------|--|
| 2 | 0189-00 | 3-Person Bench, Seat Gusset (flat bar, bent at each end) |
| 4 | 0075-01 | 3/4" x 1/4"-20 Stainless Hex Head Bolt |



Step #5, Final Assembly:

Tighten all bolts. Don't over-tighten!





Congratulations! Assembly is completed!

C. Installation Instructions

Always mount Bench firmly to a secure and substantial surface!

The Bench is supplied with a Mounting Kit for use with Metal Craft Dock Deck Modules.

- | | | |
|---|----------------|---|
| 2 | 0187-00 | Mounting Kit, Under Dock Brace (angle) |
| 4 | 0075-04 | Mounting Kit, 1-3/4" x 1/4"x-20 Stainless Hex Head Bolt |
| 8 | 0075-08 | Mounting Kit, 1/4" Stainless Flat Washers |
| 4 | 0075-09 | Mounting Kit, 1/4" Stainless Hex Head Lock Nut |

Note how the following **Mounting Kit** parts are oriented in illustration to the right. The angle is mounted underneath the Dock Module and sandwiches the deck slats between the angle and the Bench:



1. Mounting Bench Parallel to Deck Module

This is the most popular mount.

Locate the Bench in the desired position. No holes need to be drilled -- insert the Stainless bolts through the 1/4" spaces between the deck slats. Use a large screwdriver to separate the deck slats enough to let the bolt drop into position without scraping the non-skid finish.



Place the two angles into position and attach the flat washers and lock nuts. The holes in the angle are offset to permit mounting the Bench in various positions.

Tighten lock nut firmly to ensure the bench is solid and won't move.



2. Mounting Bench on End of 6'W Deck Module

The 3-Person Aluminum Bench can be mounted across the end of a 6'W Deck Module (note: will not fit on the end of a 5' wide module).

Cut the long Mounting Kit angles in half to form four (4) pieces.

Place the Bench in to position and install the Stainless bolts as described in C.1. Above.

Install the four under dock angles as shown below (right end of Bench illustrated):



3. Mounting Bench to Wood, Plastic or Concrete Surface

Check area surrounding intended Bench location to ensure a structurally sound mounting surface.

Drill holes on 15" center-to-centers for the front-to-back holes in the Ends, and place those holes 60" center-to-center apart (side-to-side).

If possible, use the bolts and angles provided with the Bench. Otherwise, use appropriate lag bolts or cement anchors.