



Drop Rack

Installation Instructions

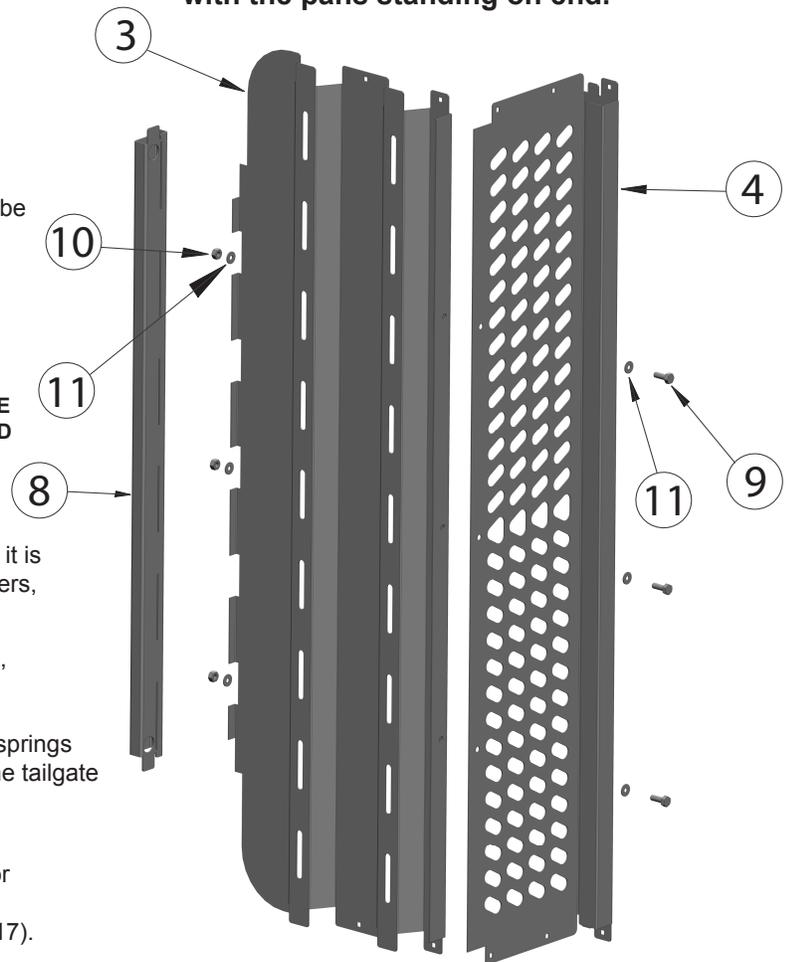
Part Number: 1512-0082 / 1512-0081

ASSEMBLY INSTRUCTIONS:

1. Locate the bottom formed floor pan (#3 - The floor pan with the rounded front corners) and the back flat pan (#4). Using three 1/4" x 3/4" hex bolts (#9), six 1/4" washers (#11), and three 1/4" nylock nuts (#10), bolt the back flat pan to the floor pan. Note the orientation of both pieces, the floor pans grooved channels are the bottom of the floor. The formed over edge of the back pan faces out. See **illustration 1**.
2. Locate the tailgate tube (#8). This tube will fit in the tabs of the bottom floor pan (#3). Position it per **Illustration 3** with the large holes in the tube facing up against the bottom of the pan. Most of the tube will be under the pan. Once fully seated tight against the pan, grab the back edge of the tube under the pan and pull the tube up into the vertical position. It should now be upright in front of the pan with all the tabs still in place in the slots. See **illustration 3**.
3. Locate the rear pan tube (#6) and the rear formed pan (#5). This tube will slide inside the formed over rear edge of the pan. The longer tab on each end of the tube goes against the matching tab on the pan. See **illustration 2**.
4. You are now ready to start assembling the drop rack. Set one of the side weldments on the floor (put on carpet or a piece of cardboard to protect the finish) with the curved side forming up. All the pieces are designed to tab in and around the tubes. While holding the bottom and back assembly from step 1, including the tube from step 2, slide these into place over the side weldment. Start bolting it together via the diagram using the carriage bolts (#12), flat washers (#13), and nylock nuts (#14). Put the carriage bolts in from the top (inside) of the drop rack and secure with the washers and nylock nuts through the oversized holes in each tube. See **Illustration 4**. **NOTE: FOR EASE OF ASSEMBLY, HAVE SOMEONE HELP HOLD IT TOGETHER. POSITION THE RACK SO THE BOLTS ARE PUT IN FROM THE BOTTOM AND YOU CAN DROP THE WASHERS AND NUTS DOWN INTO THE HOLE OVER THE BOLTS.**
5. With the side weldment placed face up on the floor, position the formed rear pan and tube into place. Make sure all tabs in the pan seat fully in the slots in the tubes. Lightly tap with a rubber mallet if it is fitting tightly. Bolt together using the same carriage bolts, flat washers, and nylock nuts. See **Illustration 4**.
6. Before installing the other side weldment to complete the drop rack, be sure to sandwich the tailgate in place over the welded studs on the side weldments. Bolt together using the remaining carriage bolts, flat washers, and nylock nuts. Install the shoulder bolts and springs into the tailgate outlined in **illustration 5 & 6**. You can now close the tailgate by lifting it up and into the retaining slots.
7. Close off each 3/4" hole in the tubes with the included round plastic tube plugs (#16). There are 18 total and you need to simply push or pound them into place. The two open ends of the side weldments need to be plugged using the included square plastic tube plugs (#17). You are now ready to install your drop rack!

Ref.	Qty.	Part#	Description
1	1		Left Side Weldment
2	1		Right Side Weldment
3	1	4180-203	Bottom Formed Pan
4	1	4180-202	Back Flat Pan
5	1		Rear Formed Pan
6	1	4180-302	Rear Pan Tube
7	1	4180-103	Tailgate Weldment
8	1	4180-301	Tailgate Tube
9	3	HDW2000	1/4"-20 x 3/4" Hex Bolt
10	3	HDW7050	1/4"-20 Nylock Nut
11	6	HDW9012	1/4" Flat Washer
12	18	HDW9123	#10-24 x 3/4" Carriage Bolt
13	20	HDW9018	#10 Flat Washer
14	20	HDW9124	#10-24 Nylock Nut
15	2	HDW9125	1/4" x 1.5" Shoulder Bolt
16	18	HDW9127	3/4" Round Tube Plug
17	2	HDW4106	1" Square Tube Plug
18	4	HDW9107	5/16" x 3" J-Hook
19	4	HDW9106	J-Hook Rubber Caps
20	4	HDW9119	Plastic Knobs
21	4	4180-208	Steel Reinforcing Plate
22	2	4180-402	Tailgate Spring
23	1	HDW4135	Tailgate Trim

Illustration 1 - Shown from the underside with the pans standing on end.



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Illustration 2 - Close-up of pan tube inside rear formed pan. Note the longer tab on the tube matches up with the tab on the pan.

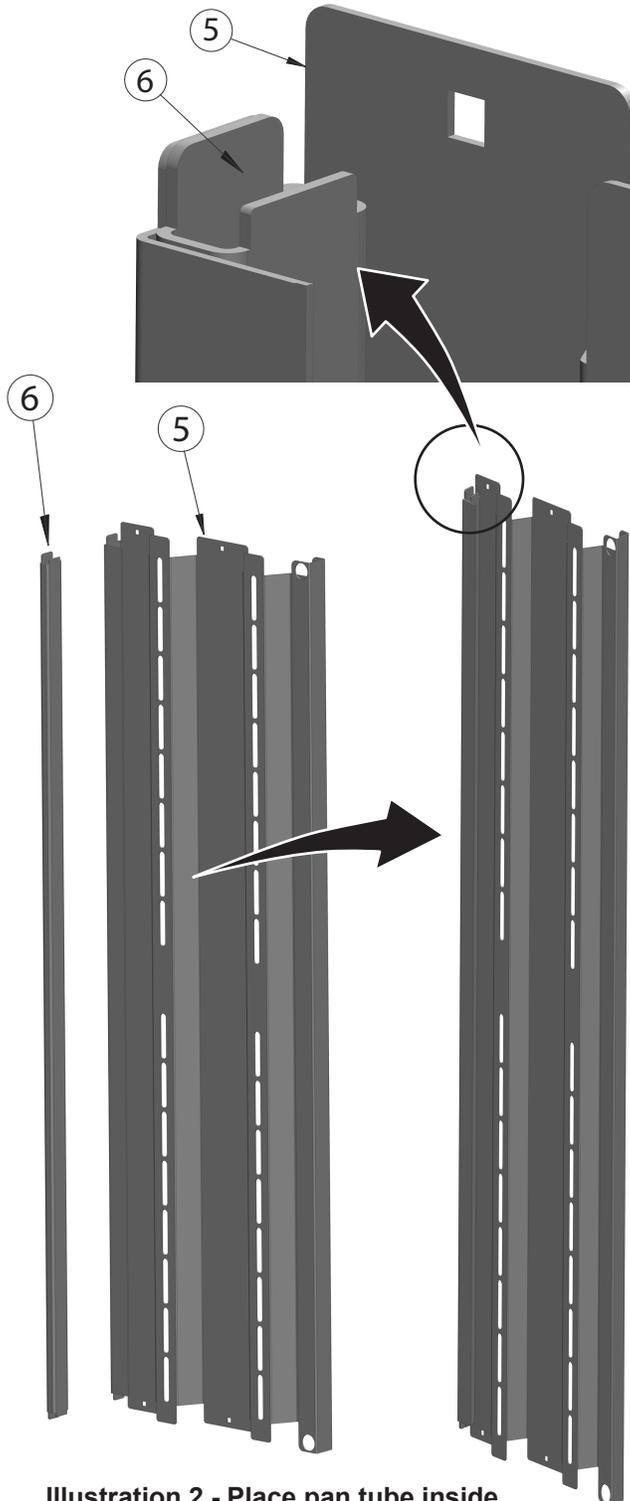


Illustration 2 - Place pan tube inside front edge of rear formed pan.

Illustration 3 - Slide tailgate tube up into the slots in the lower pan with the large holes facing up and the wider part of the tube towards the pan. Then grab and pull the tube up into the vertical position.

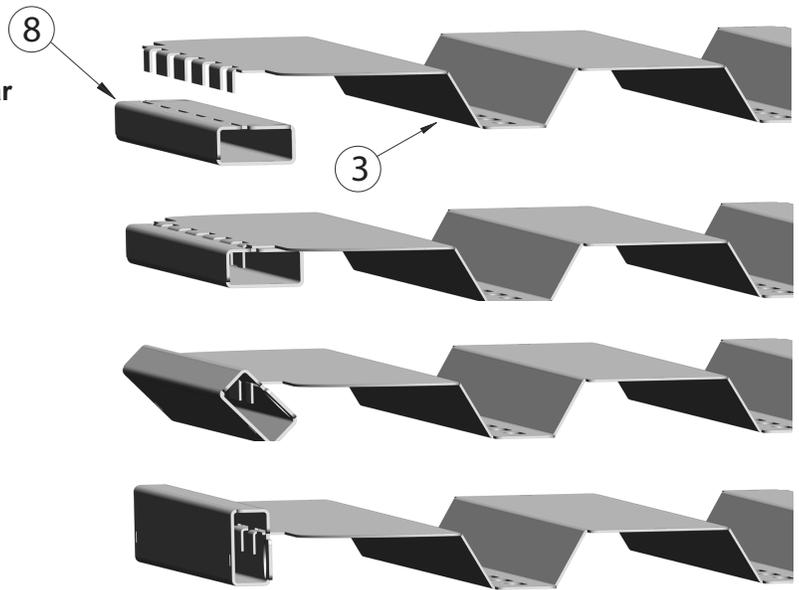
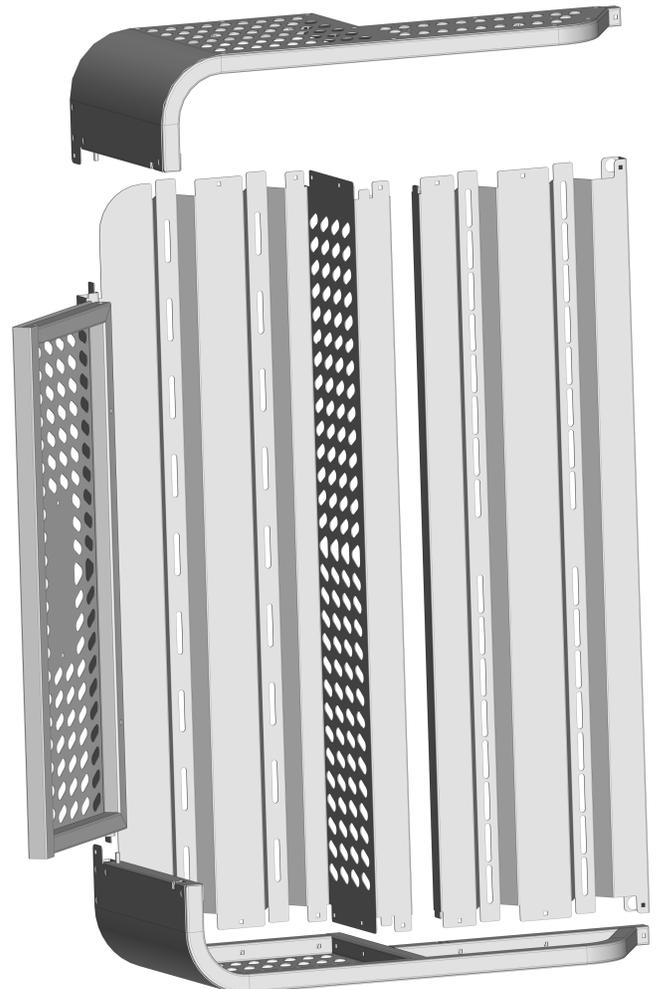


Illustration 4 - Place one side weldment on the ground and set each pan into place. Secure with carriage bolts, flat washers, and nylocks.



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Illustration 5 - Install shoulder bolt on each side of tailgate from the outside with the nut on the inside. This bolt is used to latch the tailgate shut.

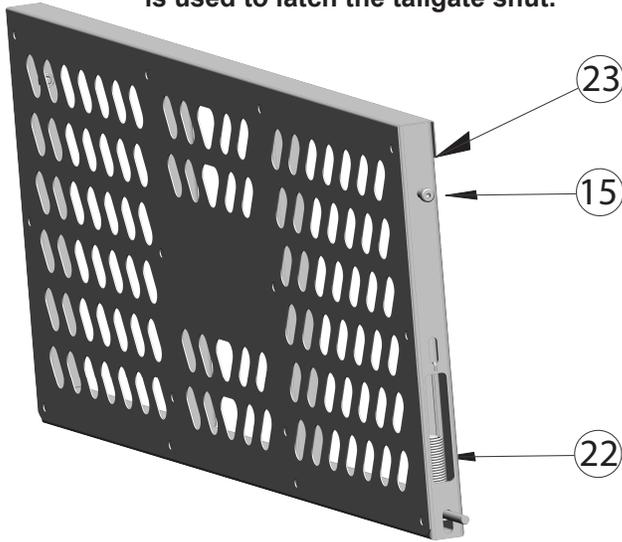
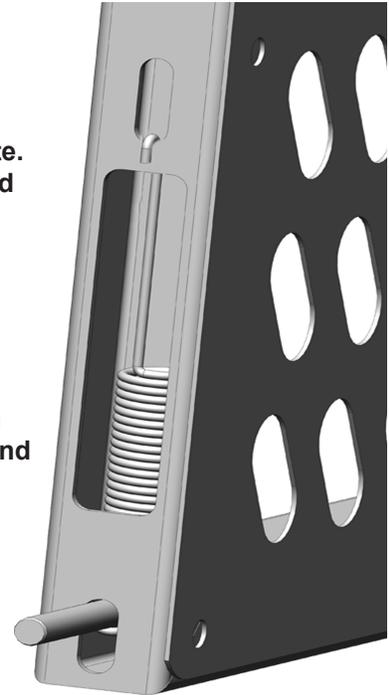


Illustration 5 - Install rubber protective trim to the top inside edge of the tailgate. A small amount of glue is recommended for proper adhesion.

Illustration 6 - Install a spring in each side of the tailgate. Hook the short end of the spring around the rod at the bottom. Using a needle nose pliers grab the long end and attach it to the slot at the top.



INSTALLATION INSTRUCTIONS:

1. Now that you have successfully assembled your new drop rack, it is time to install it to your machine. The drop rack is a fairly universal fit and will fit most plastic and metal racks using the supplied mounting hardware. Locate the four J-Hooks (#18), four rubber caps (#19), four steel reinforcing plates (#21), and four plastic thumbknobs (#20).
2. Slide each rubber cap over the end of the J-hooks. They are a tight fit and may require a very small amount of grease to help them install. The J-hooks are designed to hook around your factory rack and secure to the bottom slotted channels of the drop rack. Try to space them out as much as possible to even the load.
3. It is easiest to have someone hold the drop rack in place over the factory rack while you attach the J-hooks. Be sure to put the back rail of your factory rack in the open slot of the drop rack so it sits flush on your rack. Once it is being held in place, slide a J-hook through a slot in the drop rack and hook it around the factory rack. Next, slide a reinforcing plate over the threaded end of the J-hook and secure with a thumbscrew. NOTE: The J-hooks may not want to secure perfectly vertical, this is completely normal for them to end up slightly angled and will not affect the strength of the installation. Repeat for the other three J-hooks making sure to spread them out as much as possible.
4. Once it is tightened down, all thumbscrews should be recessed below the floor to give you a level working surface.



Illustration 7 - Attach the J-hook around the factory steel rack or an opening in a factory plastic rack.

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