

Box Installation Instructions

PN: 210691, 210700, 210774, 210785

Please Read before beginning:

- *Stainless steel hardware may bind together when tightening—It is recommended that you apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *This installation requires two people*
- *Unless otherwise specified, refer to the general torque value at the end of the instructions for specified torque values.*



Included hardware:

PRE-KIT 350462 OR

<i>PN</i>	<i>Description</i>	<i>Quantity</i>
70008	¼-20 Nut with nylon locking insert	4
70009	¼ x 5/8 Washer SS (.03" thick)	4
70038	¼ -20 x 2 3/4" Bolt Flt Soc Cap Phillips SS	4
70039	1/4" Fender washer SS	4
70040	¼" Washer Countersunk Fin SS	4
70454	5/16"-18 x 1" Carriage Bolts, SS	4
70246	Anti-seize packet, 2g	1
N/A	Keys – Attached to inside of lock	1 SET

NOTE: IF INSTALLING ON A REAR BUMPER SWING ARM PLEASE SEE STEP 1.

NOTE: IF INSTALLING ON A REAR DOOR PRODUCT PLEASE SEE STEP 5.

NOTE: IF INSTALLING ON A POWER LIFT BIKE RACK PLEASE SEE STEP 10.

NOTE: IF INSTALLING ON A LADDER OR TIRE RACK PLEASE SEE STEP 12.

Installation Instructions:

1. Place the box centered, or in desired position, on the swing arm.
2. Drill four - ¼" holes through the box and swing arm (before drilling read the drilling tips and notes below).
 - a. First - Two of the holes should be drilled through the bottom of the box (see Figure 1 for location).
 - b. Second - The other two holes should be drilled through the back of the box and the swing arm tubing (also seen in Figure 1).
 - i. Note: for Chevy/GMC the hole should be centered on the downward 45° pipe.
3. Drilling tips and notes:
 - a. It is helpful to center punch the spot where you are going to drill so the drill bit does not walk.
 - b. Place a bolt in each hole as you finish drilling it to help keep the box from moving
4. Once all the holes are drilled, and starting with the bottom holes, fasten the box into place by using the fender washer, countersink washer and the flat Phillips head on the inside of the box, and the ¼" washer and nylock on the outside.

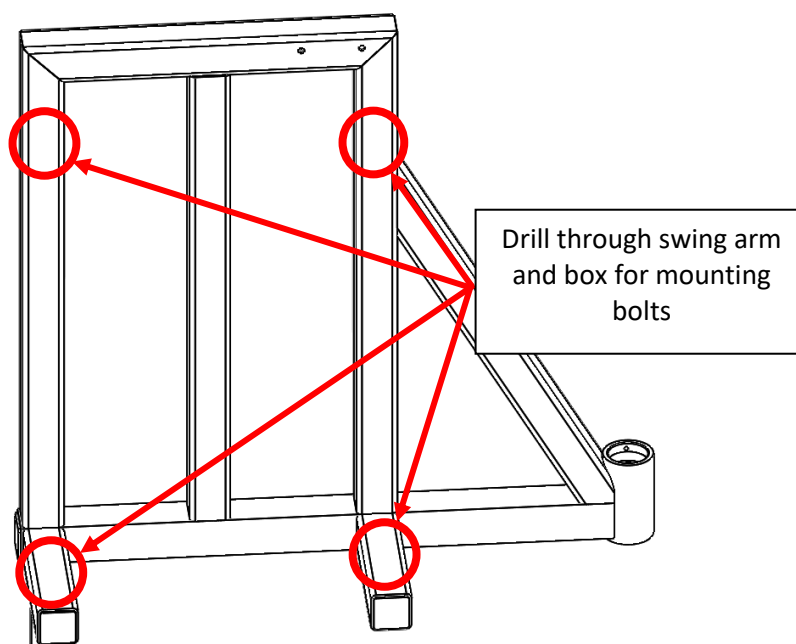


Figure 1: Drill and bolt locations for mounting box

5. Place the box centered, or in desired location, on the rear door product.
6. Drill four - ¼" holes through the box and rear door product (before drilling read the drilling tips and notes below).
 - a. First - Two of the holes should be drilled through the bottom of the box and through the support stands (see Figure 2 for location).

- b. Second - The other two holes should be drilled through the back of the box and rear door product sheet metal support. (also seen in Figure 2).
7. Drilling tips and notes:
- a. It is helpful to center punch the spot where you are going to drill so the drill bit does not walk.
 - b. Place a bolt in each hole as you finish drilling it to help keep the box from moving
8. Once all the holes are drilled, and starting with the bottom holes, fasten the box into place by using the fender washer, countersink washer and the flat Phillips head on the inside of the box, and the ¼" washer and nylock on the outside.

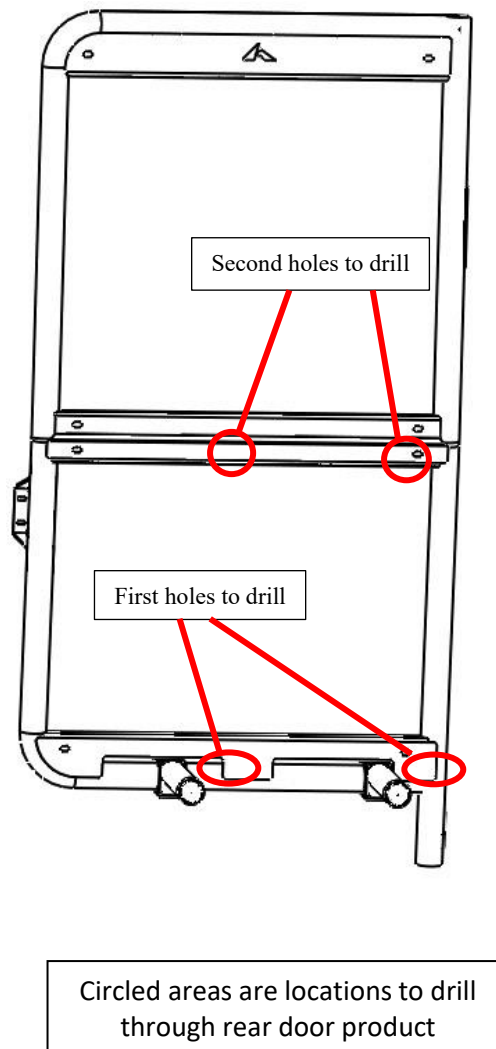


Figure 2: Drill and Bolt Locations for Rear Door Products

NOTE: Use specified latch adjustment procedure below for adjusting latch:

Adjust by loosening Allen head bolt and sliding the latch closer or farther from box flange to tighten or loosen latch, as shown below:



Figure 3: Type 2 Latch Flange Adjustment

9. Remove the front loader plate from the inside of the box. Reattach the front loader, using the four 5/16" -18 x 1" Carriage bolts (70454), four 5/16" -18 Nylock nuts (70019), and eight 5/16" washers (70020), to the front of the box, as shown in the figure 4 below:

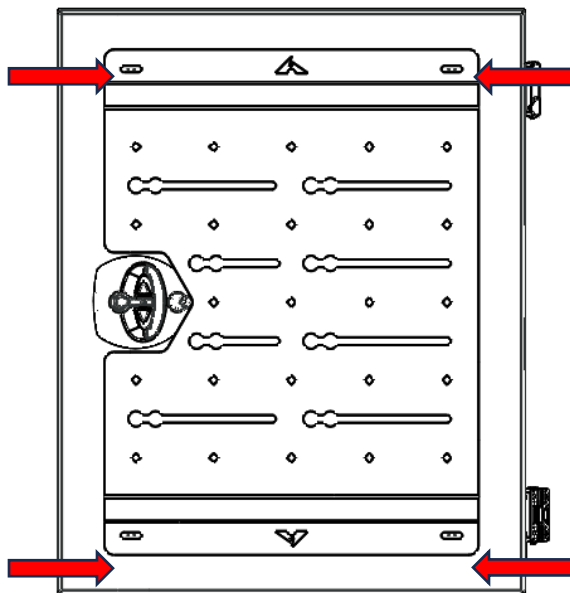


Figure 4: Front Loader Bolt-on Locations

NOTE: For shelf adjustment, unbolt side bolts, adjust shelf to desired height, reinsert and tighten side bolts.

10. For mounting the box to a Power Lift Bike Rack, first have someone hold the box in place while another person drills the mounting holes where hardware is inserted, as shown in Figures 5 and 6. Drill the two holes in the base unit, through the box, in the same spots as shown in Figure 2.
11. Using four ¼-20 x 1" Countersunk Bolts (70013) included in the Power Lift Hardware Kit, four ¼-20 Countersunk Washers (70040), four ¼-20 Fender Washers (70039), four ¼-20 Washers (70009), and four ¼-20 Nylock Nuts (70008), secure the box to the Power Lift Bike Rack through the mounting holes as shown in Figures 5 and 6.

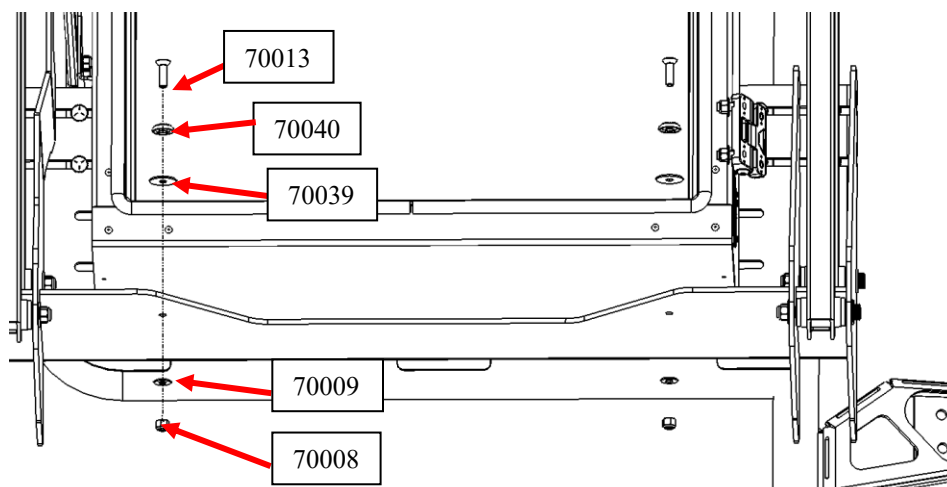


Figure 5: Lower Tray Drill and bolt locations for mounting box

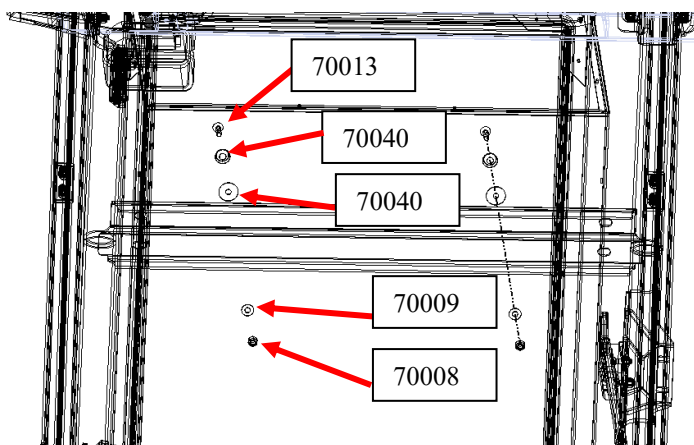


Figure 6: Base Unit Drill and bolt locations for mounting box

12. Place the box centered, or in desired position, on the ladder or tire rack.
13. Drill four - ¼" holes through the pipe and match them with holes on the box as seen in Figure 7 (before drilling read the drilling tips and notes below).
 - a. Drilling tips and notes:
 - i. It is helpful to center punch the spot where you are going to drill so the drill bit does not move.
 - ii. Place a bolt in each hole as you finish drilling it to help keep the box from moving
14. Once all the holes are drilled, and starting with the bottom holes, fasten the box into place by using the fender washer, countersink washer and the flat Phillips head on the inside of the box, and the ¼" washer and nylock on the outside.

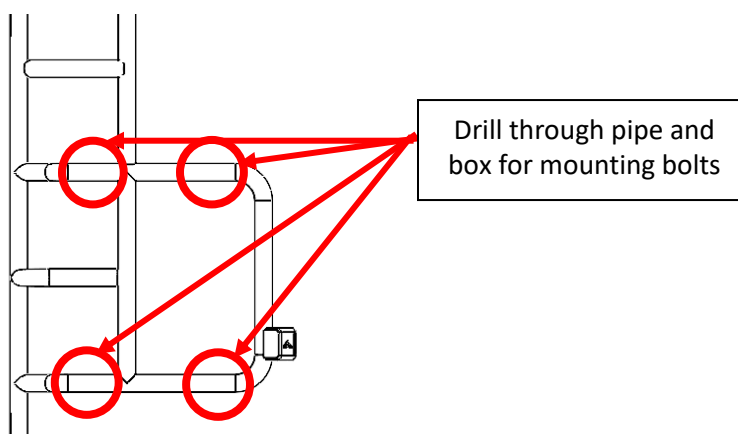


Figure 7: Drill and bolt locations for mounting box on ladder/tire rack

TORQUE SPECIFICATIONS			
SIZE (SAE)	18-8 SS	GRADE 5 ZINC PLATED	GRADE 8 ZINC PLATED
6-32 (IN-LBS)	9.6	15.3	21.5
8-32 (IN-LBS)	19.8	29.5	41.7
10-24 (IN-LBS)	22.8	47.0	62.9
10-32 (IN-LBS)	31.7	48.0	68.0
1/4-20 (IN-LBS)	75.2	91	129
5/16-18 (IN-LBS)	132	188	265
3/8-16 (FT-LBS)	20	28	39
7/16-14 (FT-LBS)	31	44	63
1/2-13 (FT-LBS)	43	68	96
9/16-12 (FT-LBS)	57	109	226
SIZE (Metric)	18-8 SS	CLASS 8.8 ZINC PLATED	CLASS 10.9 ZINC PLATED
M5 X 0.8 (IN-LBS)	38.4	46.8	66.0
M6 X 1.0 (IN-LBS)	57.6	79.2	112.8
M8 X 1.25 (IN-LBS)	99.6	192.0	274.8
M10 X 1.5 (FT-LBS)	13.8	31.6	45.2
M12 X 1.75 (FT-LBS)	21.0	55.1	78.9
M14 X 2.0 (FT-LBS)	29.4	88.1	126.1

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