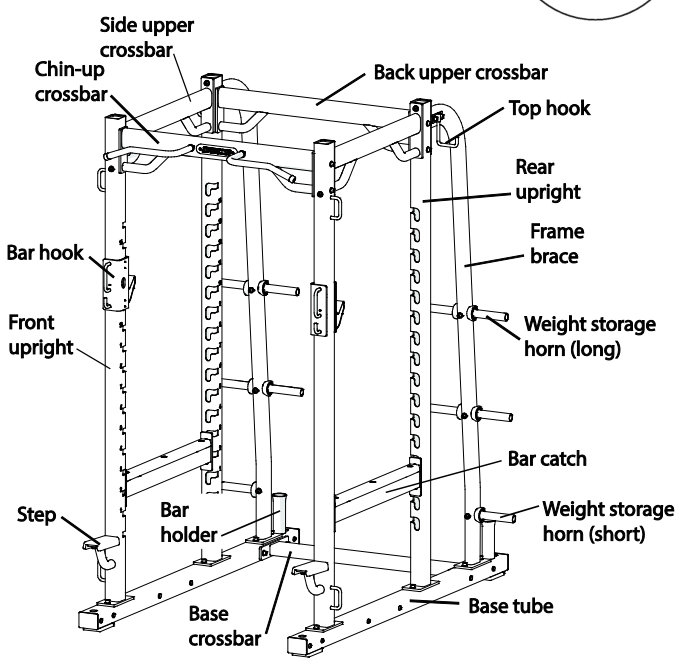
Discovery™ Series Power Rack (610) Assembly Guide

To assemble your equipment, follow the steps in the order listed in this assembly guide. For more product information, visit us at *www.precor.com*.

WARNING **At least two people are required to assemble the equipment. DO NOT attempt assembly by yourself.**



Assembly requirements

When assembling the equipment, we recommend you:

- Unpack the box and assemble the equipment close to where you plan to use it.
- Locate the equipment at least 79 inches (2 meters) away from walls or furniture on either side of the equipment, and 79 inches (2 meters) away from objects behind or in front of the equipment.
- Assemble the unit on a solid, flat surface, so that it remains level and stable.
- DO NOT move the equipment without assistance.

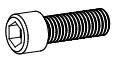
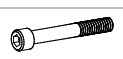
Required tools

- Torque wrench
- Rubber mallet
- 10 mm hex bit

Specifications

Equipment Dimensions:	83" L x 63" W x 98" H (2100 mm L x 1600 mm W x 2500 mm H)
Equipment Weight:	612 lb (278 kg)

Hardware kit

	Component		Quantity
1		Socket head cap bolt (M12 × 35 mm)	26
2		Flat washer (13 x 26)	38
3		Socket head cap bolt (M12 × 105 mm)	10
4		Socket head cap bolt (M12 × 115 mm)	2
5		Socket head cap bolt (M12 × 50 mm)	6

	Component		Quantity
6		Flat washer (13 x 20 mm)	6
		Hex key (10 mm)	1
		Storage horn bumper	10
		Weight storage horn (short)	2
		Weight storage horn (long)	4

Begin assembly

If you have the space, Precor recommends that you completely assemble each side (Figure 1) on the floor and then raise them and attach the crossbars. If your space is limited, assemble the equipment where it will be used.

Important *DO NOT fully tighten the fasteners until instructed to do so.*

To begin assembly with limited space:

1. Position the base tubes on the floor (exactly where you plan to use the equipment) with the bolts facing outward and bar holders where you want the back of the equipment to be.
2. Position the base crossbar between the base tubes and attach it to them using four bolts 1 and four washers 2.
3. Position the front upright (it has a step attached to it) on the base tube and secure it using two bolts 1 and two washers 2.
4. Position a rear upright on the base tube with the warning label facing outward. Secure it using two bolts 1 and two washers 2.
5. Position the frame brace with the top hook holes facing outward. Attach the top of the frame to the rear upright using one bolt 4 and a washer 2 (in the bottom hole) and one bolt 1 and a washer 2 (in the top hole). Finger tighten the short bolt.
6. Attach the side upper crossbar to the front upright using one bolt 3 and a washer 2 (in the bottom hole) and one bolt 1 and a washer 2 (in the top hole). First finger tighten the short bolt.
7. Attach the bottom of the frame brace to the base tube using two bolts 1 and two washers 2.
8. Repeat Steps 3-7 to assemble the opposite side of the power rack.

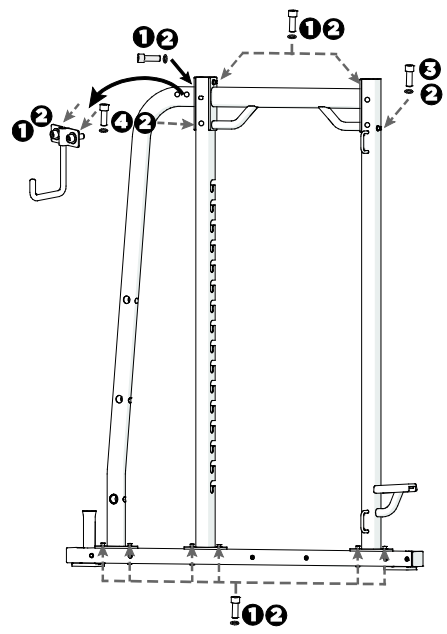


Figure 1

To attach the two sides of the equipment if assembled separately:

1. Using Figure 1 as a guide, lay the following parts out on the floor: One base tube, one front upright, one rear upright (with the warning label facing outward), and one frame brace.
2. Place a side upper crossbar between the two uprights and attach all the parts using the hardware described in Figure 1.
3. Repeat Steps 1-2 to assemble the other side.
4. Attach the base crossbar to the base tube on one of the assembled sides (Figure 2) using two bolts 1 and two washers 2.
5. Raise both assembled sides and attach the base crossbar to the base tube of the other side assembly (Figure 2) using two bolts 1 and two washers 2.

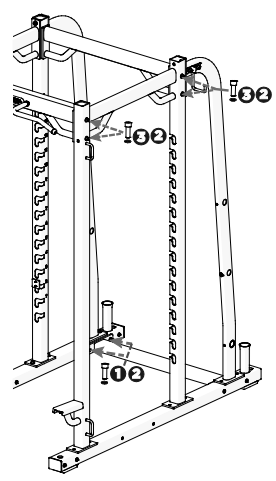


Figure 2

To complete assembly:

1. Attach a top hook to each frame brace using two bolts ❶ and two washers ❷.
2. Position and attach the back upper crossbar to the rear uprights using four bolts ❸ and four washers ❷.
3. Position and attach the chin-up crossbar to the front uprights using two bolts ❸ and two washers ❷.
4. Fit each bar catch between the front and rear uprights on each side of the equipment (Figure 3).

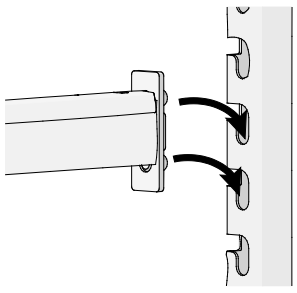


Figure 3

Tighten the bolts

Tighten the bolts to 65 ft-lb (88 N-m) in the following order: ① through ㉒

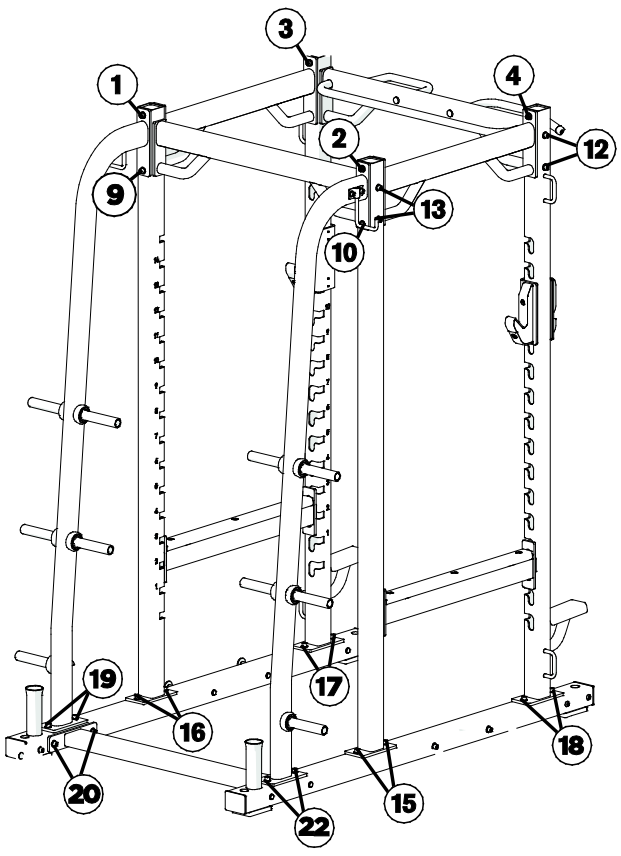


Figure 4

To attach a short weight storage horn:

1. Insert the short weight horn into the hole in the equipment frame until it stops (Figure 5). If needed, use a rubber mallet to tap it gently into place.

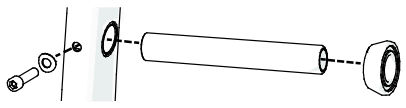


Figure 5

2. Secure the weight horn using a bolt ❺ and a washer ❻.
3. Push the storage horn bumper onto the horn with its wide side facing outward. If needed, use a weight plate to push the bumper against the equipment frame.
4. Repeat this procedure to attach the other weight horn.

To attach a long weight storage horn:

1. Insert a long weight horn through the hole in the equipment frame (Figure 6).

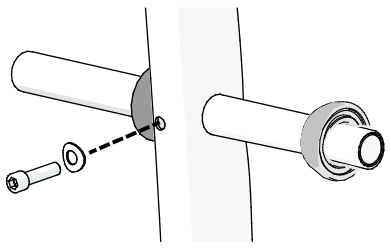


Figure 6

2. Secure the weight horn using a bolt ❸ and a washer ❺.
3. Push the storage horn bumpers onto the horn with their wide side facing outward. If needed, use a weight plate to push the bumper against the equipment frame.
4. Repeat this procedure to attach all long weight horns.

To attach the bar hook:

1. Slide the bar hook into the front upright (Figure 7).
2. Repeat this procedure to attach the other bar hook.

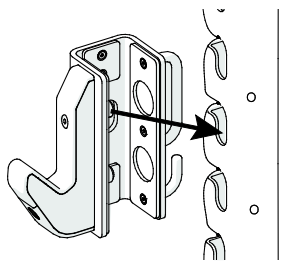


Figure 7

Bolt the equipment to the floor

Precor recommends that the strength equipment be bolted down at all anchoring points. Bolting is made possible by removing the end caps at the frame base and exposing the mounting holes that accommodate the bolts (see the accompanying figure). Replace end caps when bolting is complete.

Important *As floor materials vary, it is important that you consult a licensed contractor to advise you on proper bolting techniques and appropriate fastener types.*

Standards occasionally change or are updated. Precor recommends that you keep apprised of your local industry standards. Precor shall not be held liable for failure to properly bolt the strength equipment to the floor.

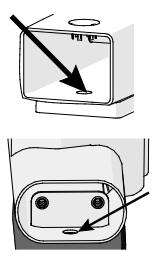


Figure 8

©2016 Precor Incorporated | May 2016