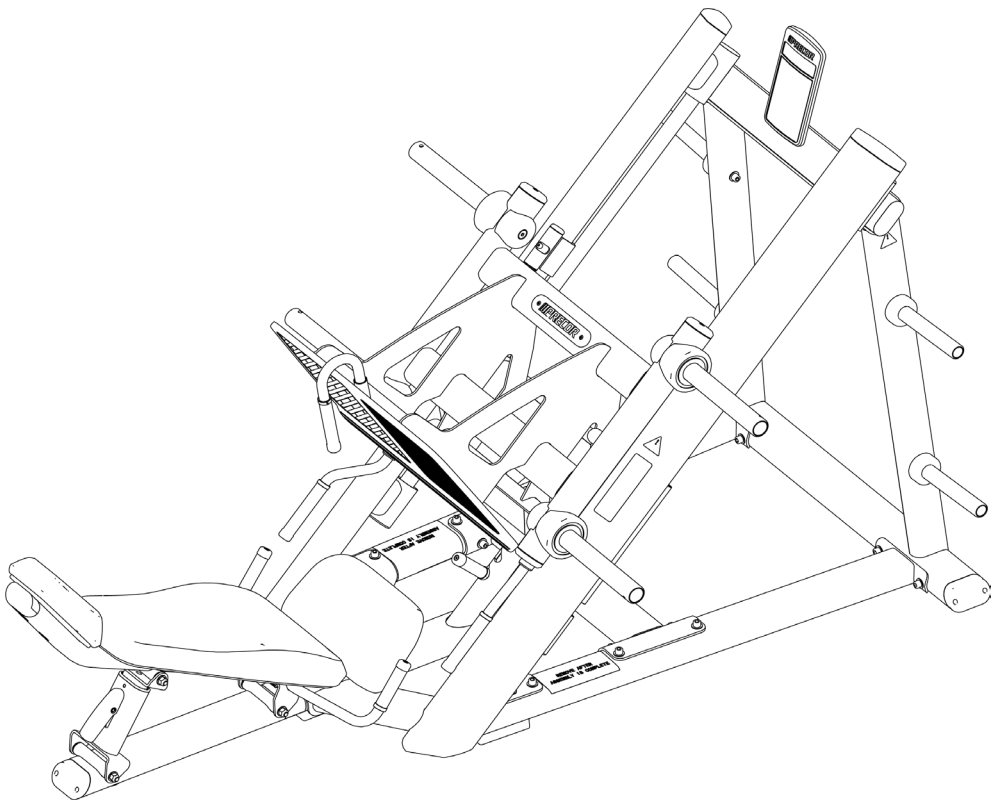
Discovery® Plate-Loaded Series

DPL601 Angled Leg Press | Assembly Guide



Assembly Requirements

Precor recommends at least three people for this installation. DO NOT attempt assembly by yourself.

When assembling the equipment, we recommend you:

- Follow the assembly instructions in order.
- Unpack the box(es) and assemble the equipment close to where you plan to use it.
- Locate the equipment at least 40 inches (1 meter) away from walls or furniture on either side of the equipment, and 40 inches (1 meter) away from objects behind or in front of the equipment.
- Assemble the equipment on a solid, flat surface so it remains level and stable.
- Do not fully tighten fasteners until instructed to do so.
- DO NOT move equipment without assistance.

Required Tools

- Torque wrench with torque range to at least 150 ft-lb (206 N-m) and fits the following hex bits: 6, 8, and 10 mm
- Socket wrench sets, metric and standard, plus extensions
- Open-end wrench sets, metric and standard
- Hex wrench sets, metric and standard, plus extensions
- Philips screwdriver

Dimensions W = 1448 mm/57.1 inches; H = 1429 mm/56.3 inches; L = 2436 mm/96 inches
Net Weight = 595 lbs/269.9 kg **Max load weight** = 1080 lbs/490 kg

Frame Components

1. Foot frame, right
2. Foot frame, left
3. Cross frame
4. Rear frame
5. Main frame (240 lb/109 kg)
6. Carriage assembly
7. Back pad frame

Hardware Kit

	Name	Qty
8	Instructional placard	1
9	Back pad	1
10	Seat pad	1
11	Head pad	1
12	Pivot shaft	1
13	Weight horn	4
14	Weight horn end cover	4
15	Weight horn bumper	4

	Name	Qty
16	Weight storage bar	4
17	Weight storage bar bumper	4
18	End cap	2
19	Hole plug	4
20	M12 x 25 mm SHCS	24
21	M12 x 175 mm SHCS	2
22	M12 x 70 mm FHCS	1
23	M8 x 15 mm BHCS	1

	Name	Qty
24	Set screw M8	4
25	M12 x 32 mm hex head screw	10
26	Flat washer 9 mm	11
27	Flat washer 13 mm	34
28	Nylon lock nut M12	2
29	Cross recessed pan head screw	4
30	M12 x 60 mm SCHS	6

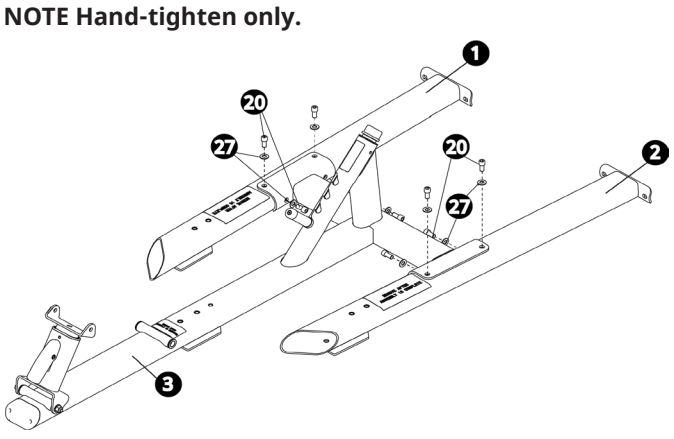
Frame Assembly

1. Attach foot frames to cross frame

Attach the left 1 and right 2 foot frames to the cross frame 3 using:

8 20 M12 x 25 mm socket head cap screws (SHCS)
8 27 13 mm flat washers

NOTE Hand-tighten only.

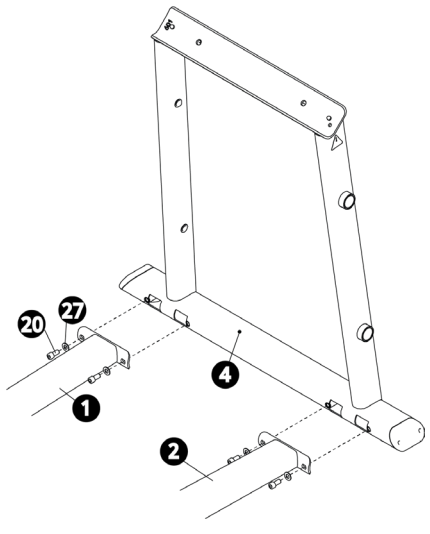


2. Attach foot frames to rear frame

Attach the left 1 and right 2 foot frames to the rear frame 4 using:

4 20 M12 x 25 mm SHCS
4 27 13 mm flat washers

NOTE Hand-tighten only.



3. Attach main frame to rear and cross frames

⚠ **WARNING** The main frame weighs 240 lbs/109 kg. Ensure all three people have it properly supported before assembly.

Attach the main frame 5 to the rear frame 4 and cross frame 3 using:

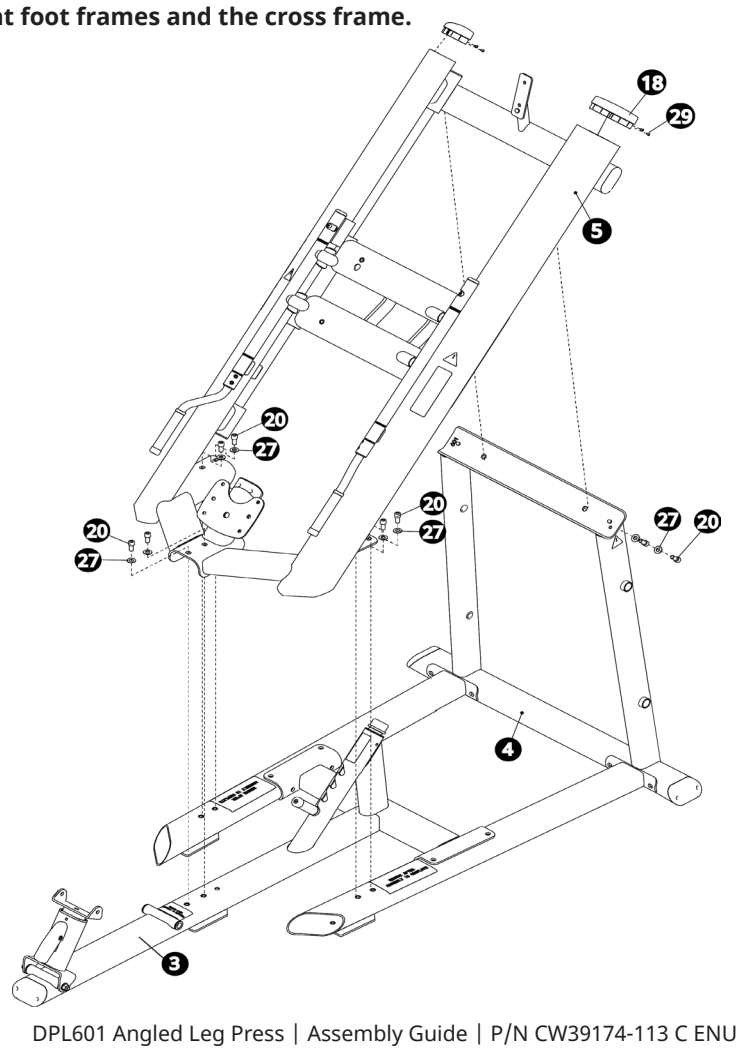
10 20 M12 x 25 mm SHCS
10 27 13 mm flat washers

NOTE Hand-tighten all frame hardware.

Add end caps 18 and secure with:

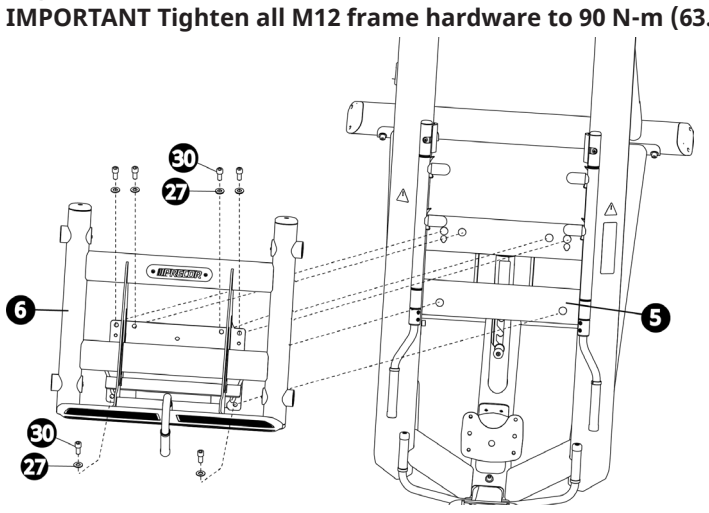
4 29 Cross-recessed pan head screws

NOTE After attaching, remove the three protective labels on the left and right foot frames and the cross frame.

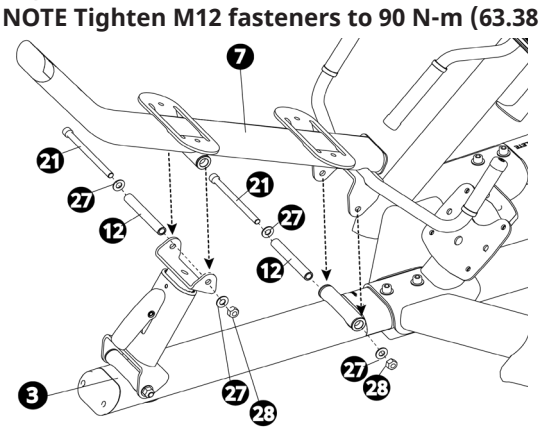


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4. Attach carriage to main frame
Attach the carriage assembly (6) to the main frame (5) using:
6 (30) M12 x 60 mm SHCS
6 (27) 13 mm flat washers
IMPORTANT Tighten all M12 frame hardware to 90 N-m (63.38 ft-lb).

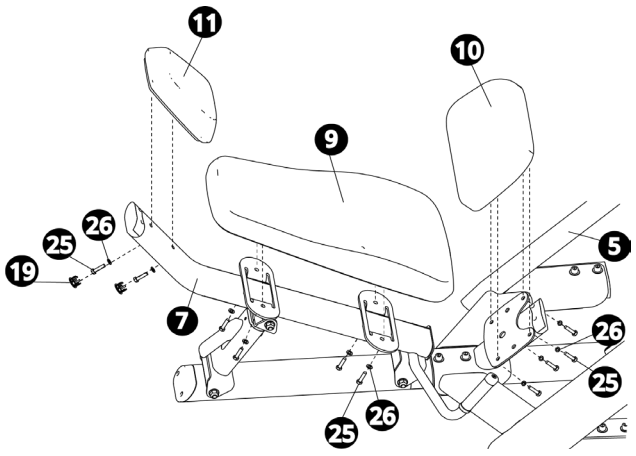


5. Attach back pad frame to cross frame
Attach the back pad frame (7) to the cross frame (3) using:
2 (21) M12 x 175 mm SHCS
4 (27) 13 mm flat washers
2 (12) Pivot shafts
2 (28) M12 nylon lock nuts
NOTE Tighten M12 fasteners to 90 N-m (63.38 ft-lb).

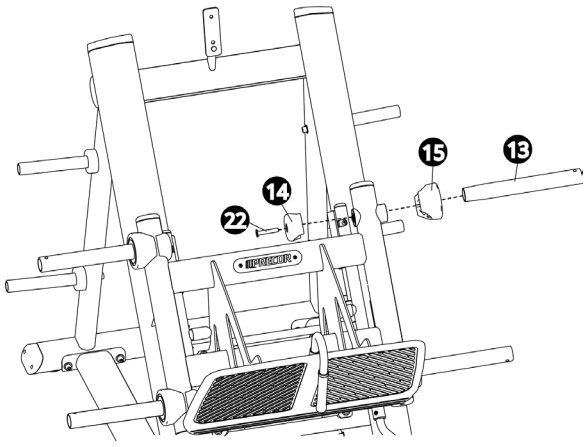


Attach Pads, Horns, and Placard

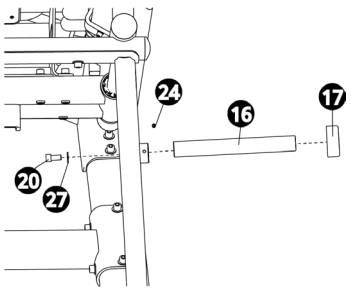
6. Attach pads to frames
Attach the head pad (11), back pad (9), and seat pad (10) to the back (7) and main frames (5) using:
10 (25) M12 x 32 mm hex head screws
10 (26) 9 mm flat washers
2 (19) Hole plugs
NOTE Fully tighten.



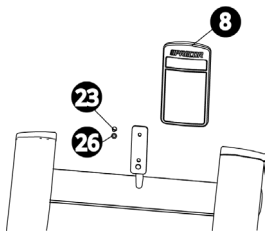
7. Attach weight horns to carriage
Attach the four weight horns (13) to the carriage using:
4 (15) weight horn bumpers
4 (14) weight horn end covers
4 (22) M12 x 70 mm FHCS
NOTE Fully tighten.



8. Attach weight storage bars
Attach the four weight storage bars (16) using:
4 (24) set screws (fully tighten)
4 (27) 13 mm flat washers
4 (20) M12 x 25 mm SHCS
4 (17) weight storage horn bumpers
NOTE Fully tighten.



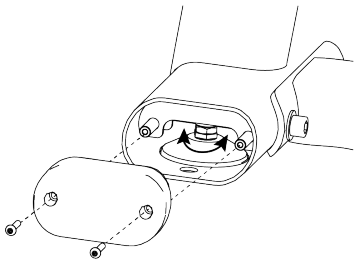
9. Attach instructional placard
Attach placard (8) using:
1 (26) M8 x 15 mm BHCS
1 (23) 9 mm flat washer
NOTE Fully tighten.



Stabilize Equipment

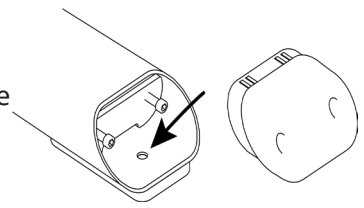
After assembly, test the stability by pushing down on each corner of the unit. If the base frame rocks or wobbles, adjust the feet to stabilize it.

1. Locate the round adjustable feet on the unit.
2. Remove the cover.
3. Use a 19 mm open-end wrench to turn the positioning bolt. Turn right to move foot upward. Turn left to move foot downward.
4. Continue to test the corners of the unit and readjust feet as needed.
5. When the equipment is stable, re-tighten the jam nut with an 18 mm open-end wrench to 50 ft-lb (67.79 N-m).
6. Replace the cover and tighten.



Bolt Equipment to Floor

Precor recommends that the strength equipment be bolted down at all anchoring points. To bolt the equipment to the floor, remove the end cap from the frame base to expose the anchor point. Replace end caps when bolting is complete.



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

CAUTION Standards can change. Precor recommends 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.

Refer to your Discovery Plate Loaded Line owner's manual for maintenance information. For support, tutorials, and more information in additional languages, visit us at *www.precor.com*.

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