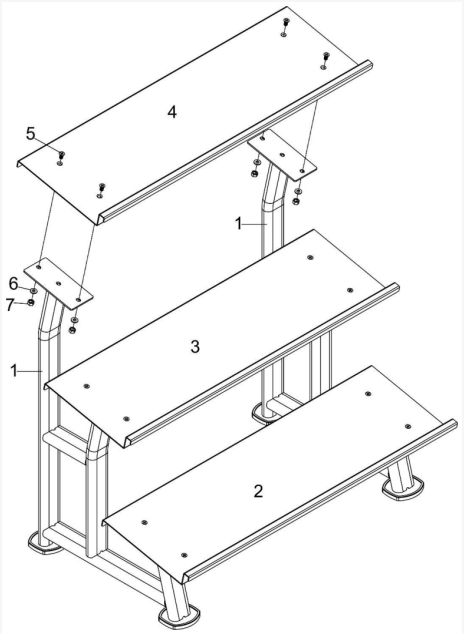
ASSEMBLY MANUAL

# BUILT Strength Rubber Hex Dumbbells (New)

## 5-50 LB Dumbbell Rack

Current SKU: BLT-OTR-5T50-TR-RCK




FACTORY REFERENCE / MATCH YOUR CONFIGURATION BEFORE ASSEMBLY

### BEFORE YOU START

**PEOPLE**
2 people recommended

**TOOLS**
Metric sockets / wrenches

**WORKSPACE**
Firm, level floor

**Check every carton.** Lay out the parts and hardware. Protect the finish and keep children and pets away. Read the whole guide before beginning.

**MATCH YOUR RACK**

Two support frames with three flat tray levels. This is the 5-50 LB tray rack, not the cradled 10-pair rack.

02 / INVENTORY

# Parts & hardware

Factory item numbers are retained. Dimensions are in millimeters unless stated otherwise.

### MAIN PARTS

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1 | Side support frame | 2 |
| 2 | Lower tray A | 1 |
| 3 | Middle tray B | 1 |
| 4 | Upper tray C | 1 |

### HARDWARE

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 5 | M10 x 20 bolt | 12 |
| 6 | M10 flat washer - listed quantity | 12 |
| 7 | M10 nylon lock nut | 12 |

**SOURCE NOTE**

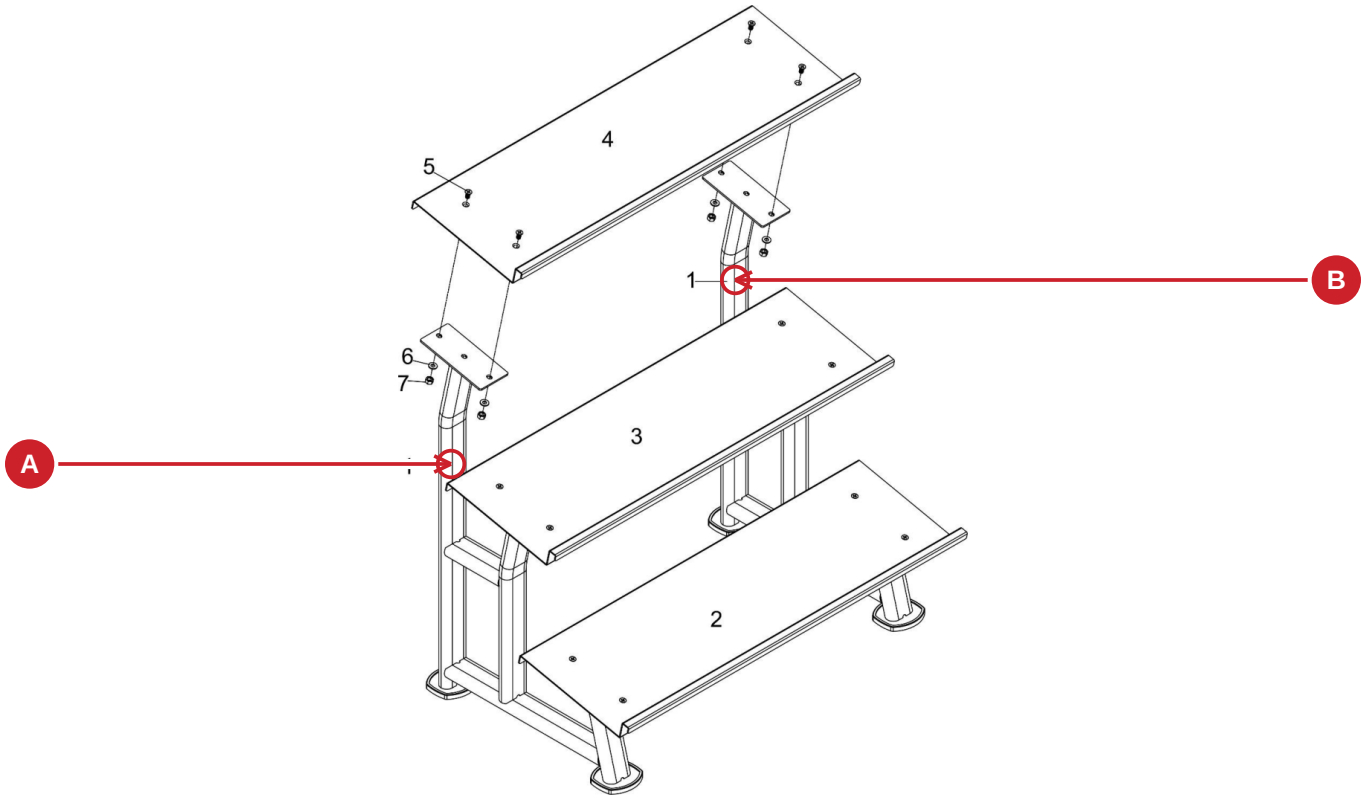
Unresolved washer discrepancy: 12 washers are listed for 12 bolts, while the image appears to show washers at both sides. The supplied kit or an intact matching joint must establish the layout; this manual does not invent a replacement quantity.

**Missing or damaged parts?** Check every carton and all packing material. Contact Build A Gym with your order number, current SKU, factory reference, and clear photos.

03 / ASSEMBLY / STEP 01

# Position the support frames

With a helper, stand the two side frames (1) so the three mounting levels face the same direction. Identify lower tray (2), middle tray (3), and upper tray (4) using the factory drawing.




RED LETTERS IDENTIFY THE PARTS / JOINTS FOR THIS STEP

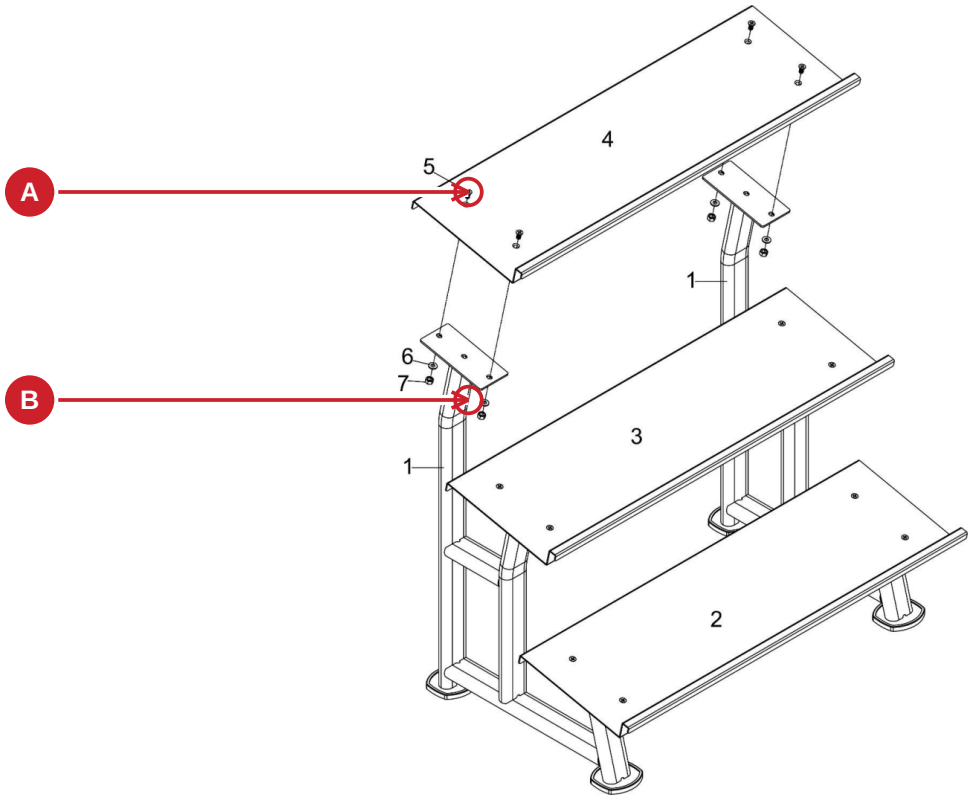
- **A** Side frame - item 1
- **B** Opposite side frame - item 1

Red letters are guide markers, not factory item numbers. Arrows identify locations; assembled views may hide the fastening sequence.

03 / ASSEMBLY / STEP 02

# Check the supplied washers

Lay out bolts (5), washers (6), and nuts (7) before attaching trays. The list specifies 12 washers, but the illustration appears to show washers on both sides. Retain any preassembled washer arrangement. If your loose kit does not establish the intended layout, do not choose between 12 and 24 by guesswork.




RED LETTERS IDENTIFY THE PARTS / JOINTS FOR THIS STEP

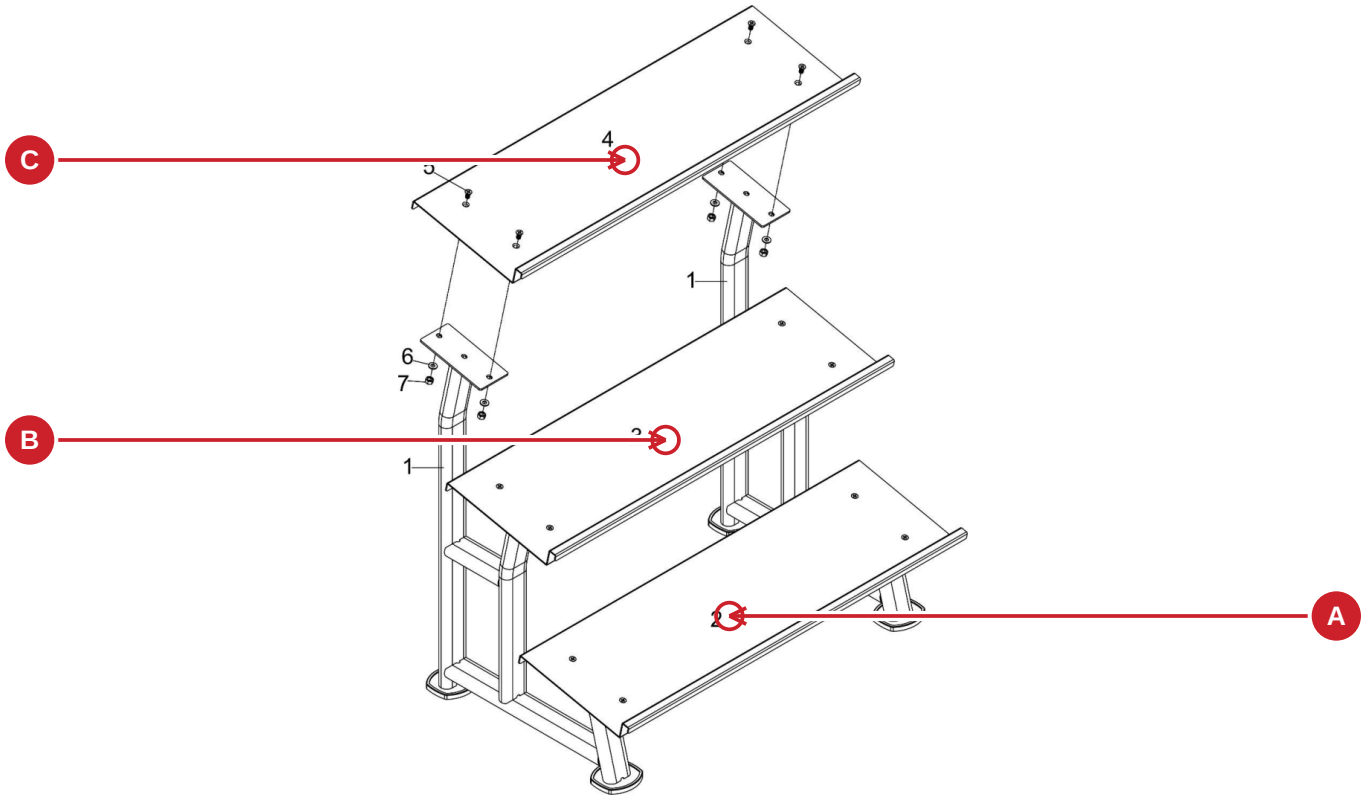
- **A** Tray bolt - item 5
- **B** Washer / nut area - items 6 / 7; see discrepancy

Red letters are guide markers, not factory item numbers. Arrows identify locations; assembled views may hide the fastening sequence.

03 / ASSEMBLY / STEP 03

# Fit all three trays

Once the washer layout is established from the supplied kit or an existing matching joint, fit lower tray (2), middle tray (3), then upper tray (4). Each tray has four bolt positions, two at each end. Use bolts (5) and nuts (7); leave joints loose until all trays align.




RED LETTERS IDENTIFY THE PARTS / JOINTS FOR THIS STEP

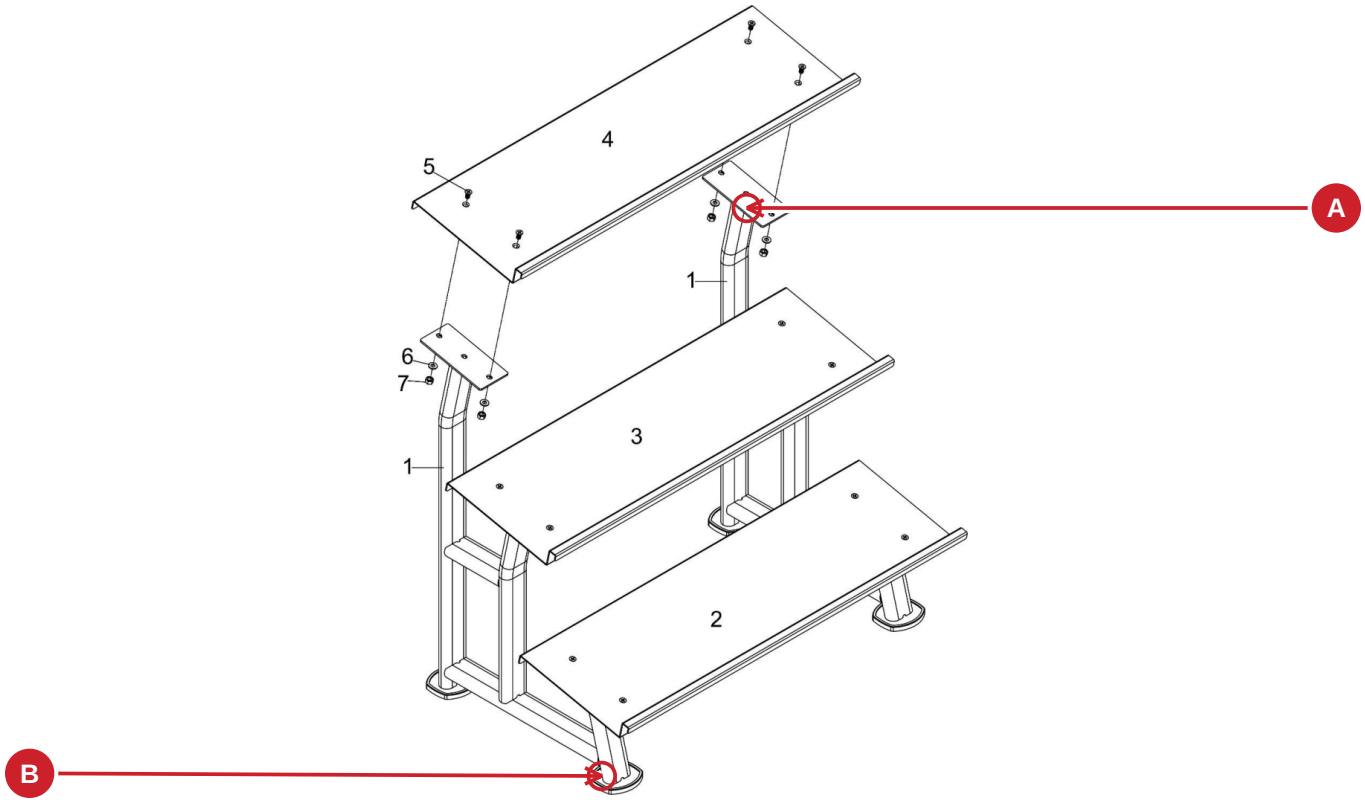
- A — Lower tray A - item 2
- B — Middle tray B - item 3
- C — Upper tray C - item 4

Red letters are guide markers, not factory item numbers. Arrows identify locations; assembled views may hide the fastening sequence.

03 / ASSEMBLY / STEP 04

# Level and tighten

With the rack empty, place it on a firm, level floor. Check that every foot sits flat and all rails or trays are seated. Square the frame, then tighten the installed fasteners evenly without crushing the tubing. Check every nut for full engagement. Do not load a rack that rocks or has a loose connection.




RED LETTERS IDENTIFY THE PARTS / JOINTS FOR THIS STEP

- **A** Tray end mounting plate
- **B** Feet: check level floor contact

Red letters are guide markers, not factory item numbers. Arrows identify locations; assembled views may hide the fastening sequence.

04 / BEFORE USE

# Final checks & source notes

Complete these checks with the rack empty.

- [ ] All parts are present, correctly oriented, and free from damage.
- [ ] All installed fasteners are tightened; no joint or storage surface moves.
- [ ] Feet sit flat on a firm, level floor; the rack does not rock.
- [ ] Load gradually and evenly; keep heavier items low. Do not climb on the rack.

**CAPACITY AND MAINTENANCE**

Follow the manufacturer’s load limits supplied with your equipment. This source does not provide a numeric load rating or tightening torque; neither is inferred here. Inspect fasteners and contact surfaces regularly. Stop using the rack if a part loosens, wears, cracks, or is damaged.

## SOURCE NOTES & ASSEMBLY INTERPRETATIONS

Unresolved washer discrepancy: 12 washers are listed for 12 bolts, while the image appears to show washers at both sides. The supplied kit or an intact matching joint must establish the layout; this manual does not invent a replacement quantity.

**How this guide was prepared:** Factory diagrams and item numbers are preserved. English descriptions and the assembly order have been organized for readability. Where the source supplies only a drawing, the sequence is inferred from the visible geometry; unresolved specifications are identified above. No unverified bolt sizes, capacities, or torque values have been added.

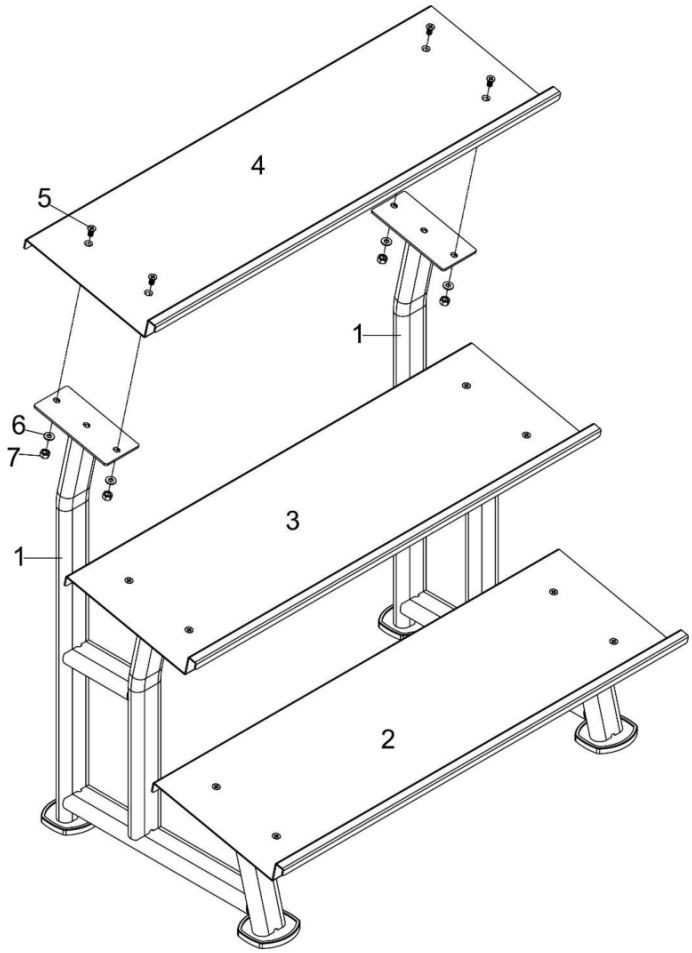
**Need help?** Contact Build A Gym through buildagym.com. Include your order number, SKU BLT-OTR-5T50-TR-RCK, reference BS-5T50-TR-RCK, and photographs of the joint and hardware.

05 / FACTORY REFERENCE

# Factory reference

Original factory geometry and labels. Use the English parts schedule and source notes in this guide.

## DUMBBELL RACK




| PART NO | DESCRIPTION | Q'TY |
|---|---|---|
| 1 | SIDE SUPPORT RACK | 2 |
| 2 | WEIGHT SUPPORT RACK A | 1 |
| 3 | WEIGHT SUPPORT RACK B | 1 |
| 4 | WEIGHT SUPPORT RACK C | 1 |
| 5 | BOLT M10*20 | 12 |
| 6 | WASHER φ10 | 12 |
| 7 | NYLON LOCK NUT M10 | 12 |

**Reading the reference:** Numbered callouts refer to the source parts or fastener groups. Dashed lines show alignment. An assembled view does not reveal every hidden connection. See the source notes for any interpretation or unresolved specification.