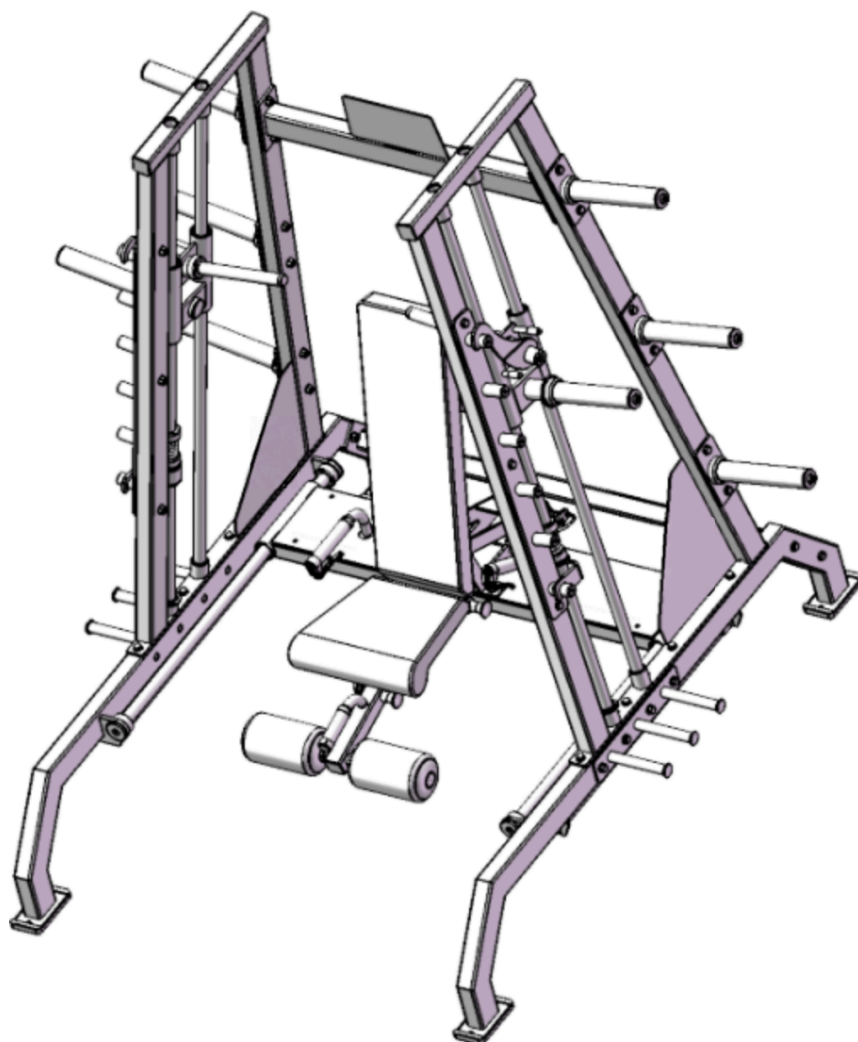


INFINITE SERIES

Smith Tower Multi-Press

Assembly & Owner Guide



BUILT TO PERFORM.

Read before assembly. Keep this guide for future reference.

01 / PREPARE

Before you begin

Set up your space

Assemble indoors on a level, stable surface with clear access around the equipment. Protect the floor and allow enough room to lay out the frame and hardware.

Check every part

Unpack and compare the components with the illustrated lists. Keep hardware grouped by stage. Reference numbers identify parts in the drawings; they may restart at each stage. Quantities are for the corresponding source list and should not be added across stages.

Prepare tools and help

Have metric hex keys and suitable metric wrenches or sockets ready for the listed fasteners. Use sufficient help to support heavy frames and moving assemblies. Keep hands clear of pinch points and never work beneath an unsupported load.

Follow the assembly drawings

Work through the stages in order. Match each numbered callout with its parts list. Confirm orientation before fitting fasteners. A part described as an assembly is supplied as a component; the wording does not instruct you to weld it.

Check connections before use

Use the specified hardware at each joint. Confirm that fasteners are secure and moving parts operate freely. If a part, dimension or connection is unclear, stop and contact Build A Gym before continuing.

ASSEMBLY SUPPORT

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02 / SAFETY

Use and care safely

- Use the equipment indoors in a dry, supervised area. Keep the surrounding floor level and unobstructed.
- Children under 12 must not use this equipment. Provide appropriate supervision and assistance for other users who need it.
- Before each use, inspect moving components, fasteners, pins and attachments. Have loose or damaged parts corrected before use.
- Wear suitable exercise clothing and athletic shoes. Warm up before exercise and use slow, controlled movements.
- Increase resistance gradually. Stop exercising if you feel pain, discomfort or anything unusual, and consult a doctor.
- Consult your doctor before starting an exercise program.
- Keep hands, clothing and other objects clear of moving parts. Make sure adjustment pins and any safety stops are fully engaged.
- Clearly mark the equipment “Out of Use” during servicing or repair. Keep this guide available for future reference.

Your assembly sequence

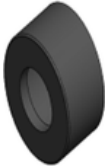
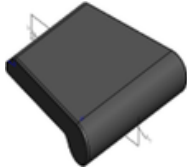
Stage 1 → Stage 2 → Stage 3 → Stage 4 → Stage 5 → Final inspection

Use the PDF bookmarks to jump directly to a stage.

STAGE 1 / PARTS

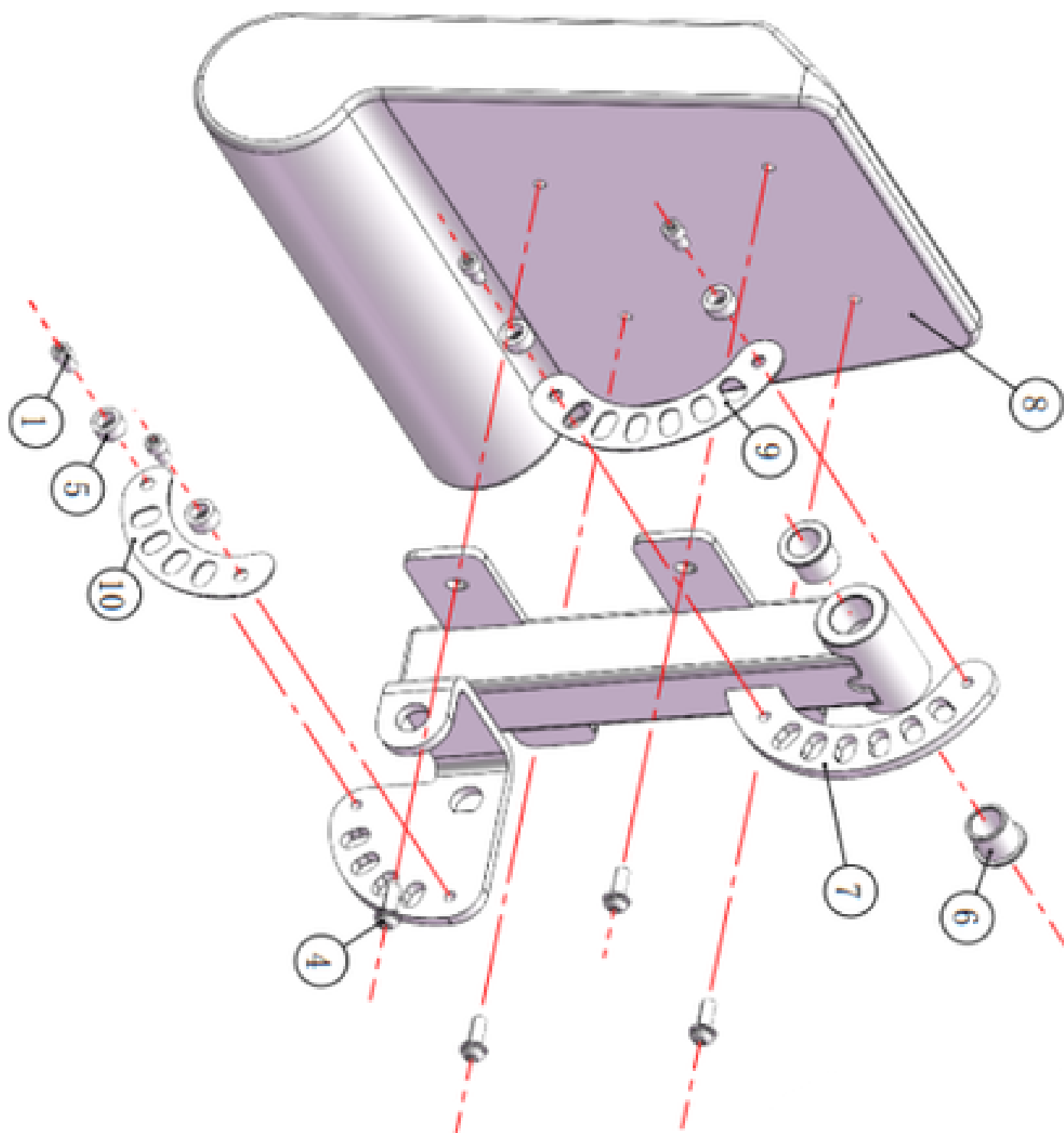
Identify your components

Match each reference and quantity to the drawing for this stage.

<div>REF 1</div> <div>QTY 4</div> <div></div> <div>Socket-head screw M8 × 12</div>	<div>REF 4</div> <div>QTY 4</div> <div></div> <div>Socket-head screw M8 × 25</div>	<div>REF 5</div> <div>QTY 4</div> <div></div> <div>Limit spacer sleeve</div>
<div>REF 6</div> <div>QTY 2</div> <div></div> <div>Sintered sleeve</div>	<div>REF 7</div> <div>QTY 1</div> <div></div> <div>Seat assembly</div>	<div>REF 8</div> <div>QTY 1</div> <div></div> <div>Cushion</div>
<div>REF 9</div> <div>QTY 1</div> <div></div> <div>Seat cushion adjustment decorative panel</div>	<div>REF 10</div> <div>QTY 1</div> <div></div> <div>Foam adjustment decorative board</div>	

STAGE 1 / DRAWING 1 OF 1

Assembly stage 1



Match the numbered callouts to the Stage 1 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 1: Assemble the Seat

Do not infer missing fasteners from the illustration alone.

1. Check the seat kit and missing references

Lay out seat support 7, cushion 8, adjustment panels 9 and 10, sleeves 6 and limit spacers 5. The list omits references 2 and 3, including pad hardware shown in the drawing. Confirm their identity, size and quantity with Build A Gym before fitting the cushion.

2. Fit sleeves, panels and stops

Support seat assembly 7 and fit both sleeves 6 in the shown pivot locations. Attach panels 9 and 10 and spacers 5 with M8 × 12 screws 1 at the indicated points. Use M8 × 25 screws 4 only at their marked seat-frame positions.

3. Fit and inspect the seat cushion

Attach cushion 8 using the confirmed missing hardware at the four shown pad mounts. Check the panels, spacers and cushion are secure, and keep the pivot supported until it is retained in the Stage 4 carriage.

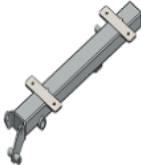
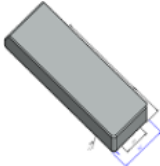
Check before continuing

Seat fittings and confirmed pad hardware are secure.

STAGE 2 / PARTS

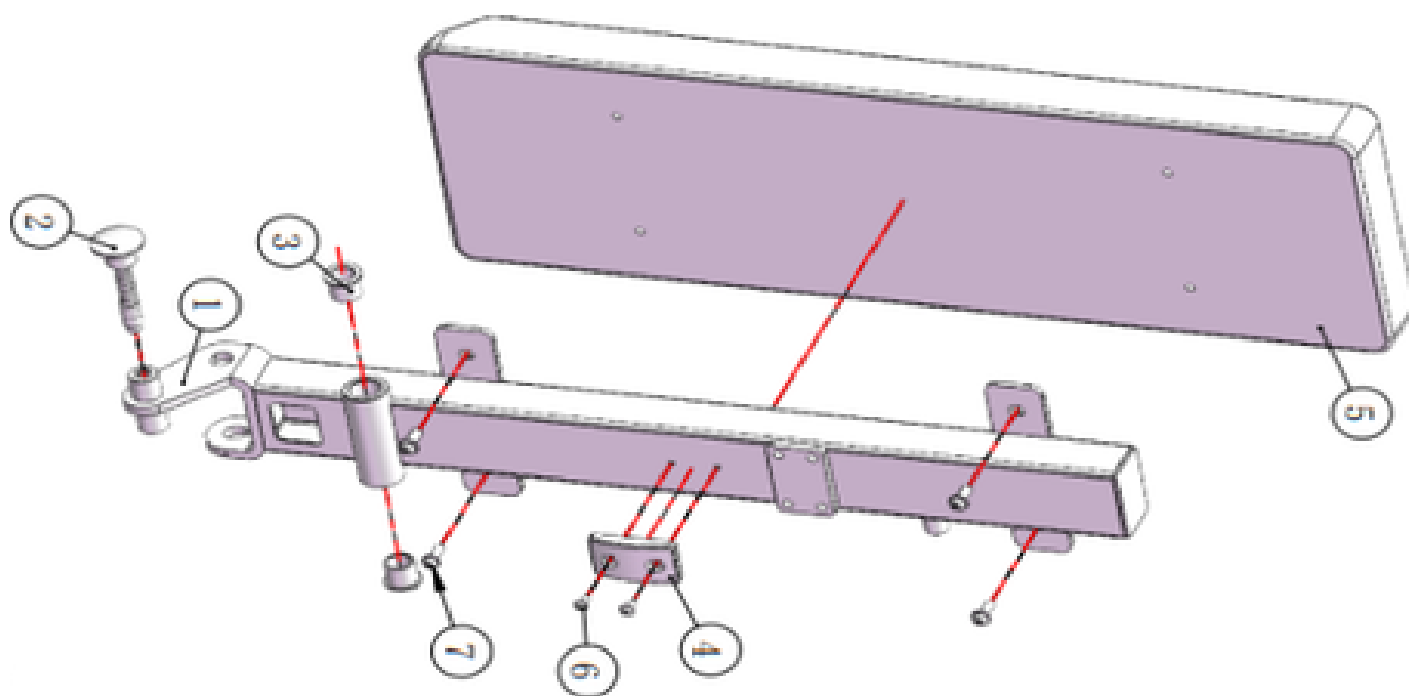
Identify your components

Match each reference and quantity to the drawing for this stage.

<div><div>REF 1</div><div>QTY 1</div><div></div><div>Backrest assembly</div></div>	<div><div>REF 2</div><div>QTY 1</div><div></div><div>Aluminum cap</div></div>	<div><div>REF 3</div><div>QTY 2</div><div></div><div>Sintered sleeve</div></div>
<div><div>REF 4</div><div>QTY 1</div><div></div><div>Buffer pad</div></div>	<div><div>REF 5</div><div>QTY 1</div><div></div><div>Backrest cushion</div></div>	<div><div>REF 6</div><div>QTY 2</div><div></div><div>Socket-head screw M6 × 15</div></div>
<div><div>REF 7</div><div>QTY 1</div><div></div><div>Socket-head screw M8 × 25</div></div>		

STAGE 2 / DRAWING 1 OF 1

Assembly stage 2



Match the numbered callouts to the Stage 2 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 2: Assemble the Backrest

Resolve the backrest-fastener quantity and pivot retention before loading.

4. Fit the backrest sleeves and buffer

Support frame 1 and fit both sleeves 3 into its pivot tube. Fit buffer 4 using the two M6 × 15 screws 6 as drawn. Preserve the original sleeve orientation and do not force a damaged or misaligned sleeve.

5. Fit the pad and pivot end cap

Position pad 5 on frame 1. The drawing shows multiple pad screws but the list gives only one M8 × 25 screw 7, also called out at the frame: confirm the complete pad-fastener set. Fit cap 2 at the pivot as drawn and verify its retention when joining Stage 4.

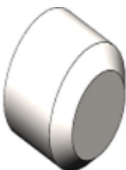
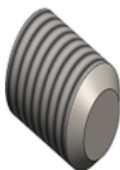
Check before continuing

Backrest pad, buffer, sleeves and pivot end cap are verified.

STAGE 3 / PARTS

Identify your components

Match each reference and quantity to the drawing for this stage.

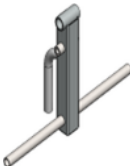
REF 1 QTY 6  <p>Hexagon socket flat-end set screws M5 × 4</p>	REF 2 QTY 4  <p>Hexagon socket flat-end set screw M6 × 8</p>	REF 3 QTY 1  <p>Pull pin</p>
REF 4 QTY 2  <p>Socket-head screw M8 × 25</p>	REF 5 QTY 4  <p>Foam end cover</p>	REF 6 QTY 2  <p>Foam cap</p>
REF — QTY 2  <p>Limit sleeve</p>	REF — QTY 2  <p>Short foam</p>	REF 5 QTY 2  <p>M8 large gasket</p>
REF 6 QTY 2  <p>Sintered sleeve</p>	REF 7 QTY 1  <p>Spring</p>	REF 8 QTY 1  <p>Small aluminium cap</p>

“—” means the source does not specify this value. Confirm it with Build A Gym before assembly.

STAGE 3 / PARTS

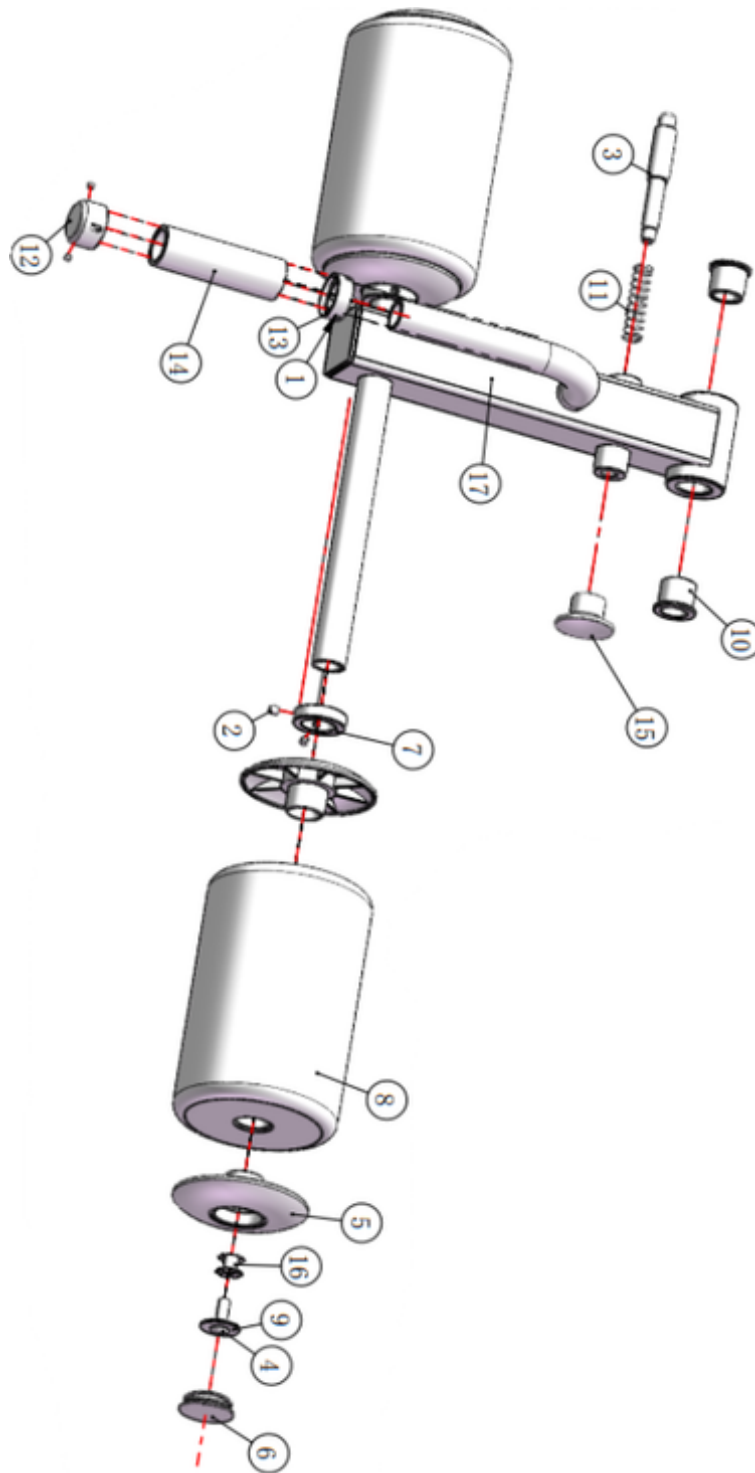
Identify your components

Match each reference and quantity to the drawing for this stage.

<div><div>REF 9</div><div>QTY 1</div></div> <div></div> <div>Aluminum inner ring</div>	<div><div>REF 10</div><div>QTY 1</div></div> <div></div> <div>Rubber Hose No. 1</div>	<div><div>REF 11</div><div>QTY 1</div></div> <div></div> <div>Aluminum cap</div>
<div><div>REF 12</div><div>QTY 2</div></div> <div></div> <div>Sunflower</div>	<div><div>REF 13</div><div>QTY 1</div></div> <div></div> <div>Foam assembly</div>	

STAGE 3 / DRAWING 1 OF 1

Assembly stage 3



Match the numbered callouts to the Stage 3 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 3: Build the Roller Assembly

Use the corrected parts mapping to distinguish the M5, M6 and M8 fasteners.

6. Reconcile the roller parts with the drawing

The list duplicates references 5 and 6 and omits two reference numbers; the drawing uses references through 17. Match parts by shape and description with the supplied kit and obtain the corrected mapping before assembly. Do not use a repeated number as a fastener specification.

7. Install the roller pads and retainers

Support the roller shaft assembly. On each side fit the depicted sleeve, inner end cover, foam roller, outer cover, washer and retaining screw in the drawing order. Fit the outer caps and indicated set screws after confirming the corrected references. Ensure neither roller can slide off the shaft.

8. Assemble and check the roller lock

Fit the pull pin, spring, grip sleeve, inner ring and caps in the shown relationship; fit the pivot sleeves before joining the seat. The drawing and list disagree on the spring reference. Confirm its installation and any preload, then verify the pin retracts and returns fully into a selected hole.

Check before continuing

Both rollers, end retainers and the adjustment pin are secure.

STAGE 4 / PARTS

Identify your components

Match each reference and quantity to the drawing for this stage.

REF 1

QTY 12



Hex socket countersunk screw
M10 × 20

REF 2

QTY 2



Socket-head screw M8 × 20

REF 3

QTY 6



Socket-head screw M10 × 20

REF 4

QTY 4



Hex-head bolt M12 × 80

REF 5

QTY 2



Socket-head screw M6 × 25

REF 6

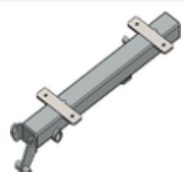
QTY 1



Seat support assembly

REF 7

QTY 1



Backrest assembly

REF 8

QTY 1



Foam assembly

REF 9

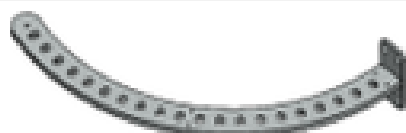
QTY 1



Sliding assembly

REF 10

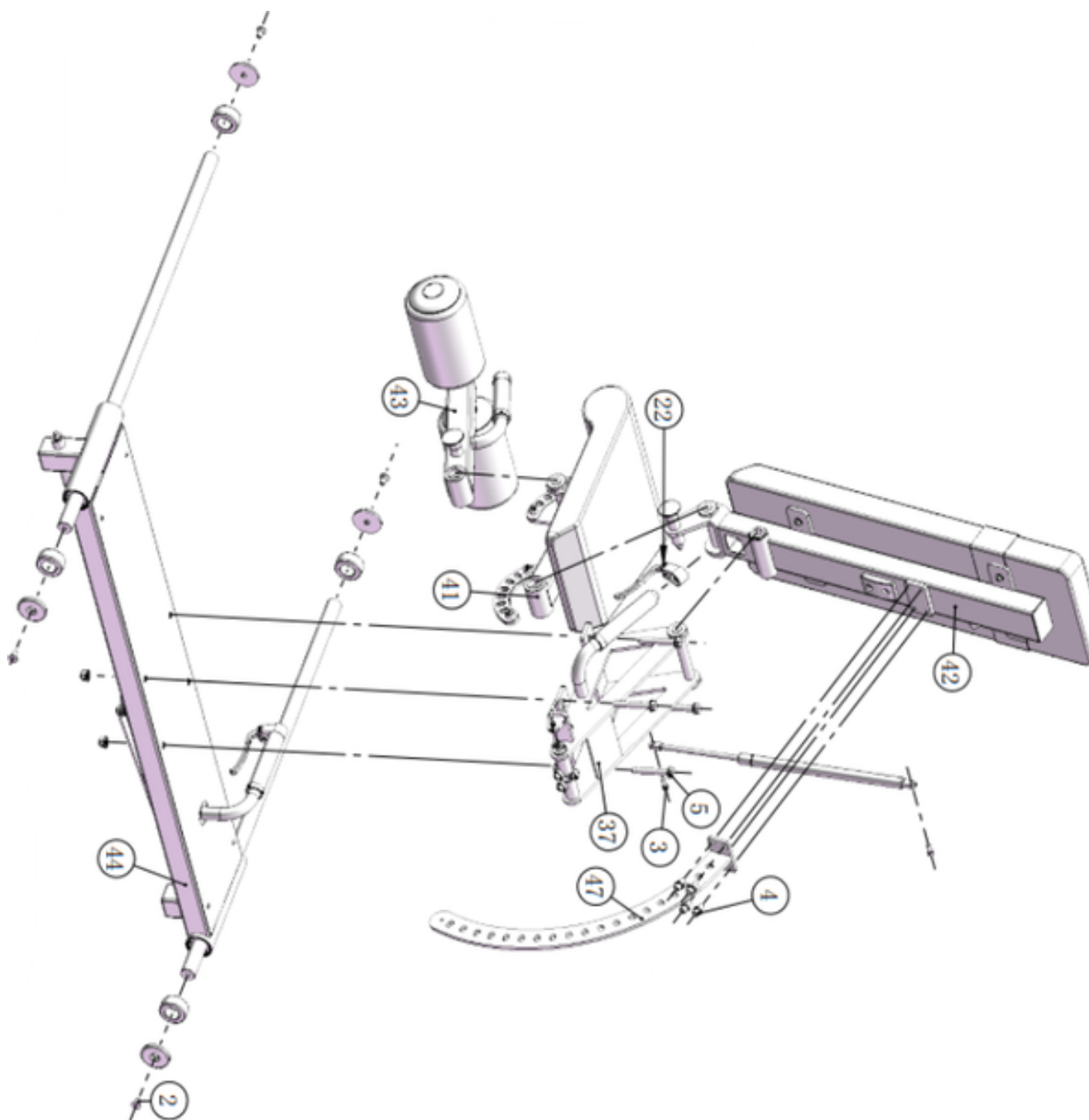
QTY 1



Backrest adjustment assembly

STAGE 4 / DRAWING 1 OF 1

Assembly stage 4



Match the numbered callouts to the Stage 4 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 4: Join the Bench and Carriage

List references and drawing references differ. Complete the mapping and omitted fastener specifications before assembly.

9. Support and identify the assemblies

Support sliding carriage 9 and prepare seat support 6, backrest 7, roller assembly 8 and adjustment arc 10. The drawing labels these assemblies 41–45 instead of list references 6–10. Confirm the mapping by shape before joining the pivots.

10. Join the seat, backrest and roller pivots

Fit the completed subassemblies between their matching carriage mounts in the illustrated orientation. Retain the depicted shafts, end caps and washers using the confirmed hardware. The source omits some pivot-retainer specifications; resolve them before releasing support.

11. Fit the backrest adjustment arc

Position adjustment arc 10 between its depicted mounts. Fit the shown M12 × 80 bolts 4 and M6 × 25 screws 5 at their marked connections, with the confirmed accompanying hardware. Use M10 and M8 screws 1–3 only at the corresponding drawing locations.

12. Verify all bench settings

With the bench supported, test seat, backrest and roller adjustments. Every lock must fully engage and each pivot remain retained through its travel. Keep the carriage restrained until it is mounted and its movement and stops are confirmed in Stage 5.

Check before continuing

Bench pivots, adjustment arc, locks and carriage connections are verified.

STAGE 5 / PARTS

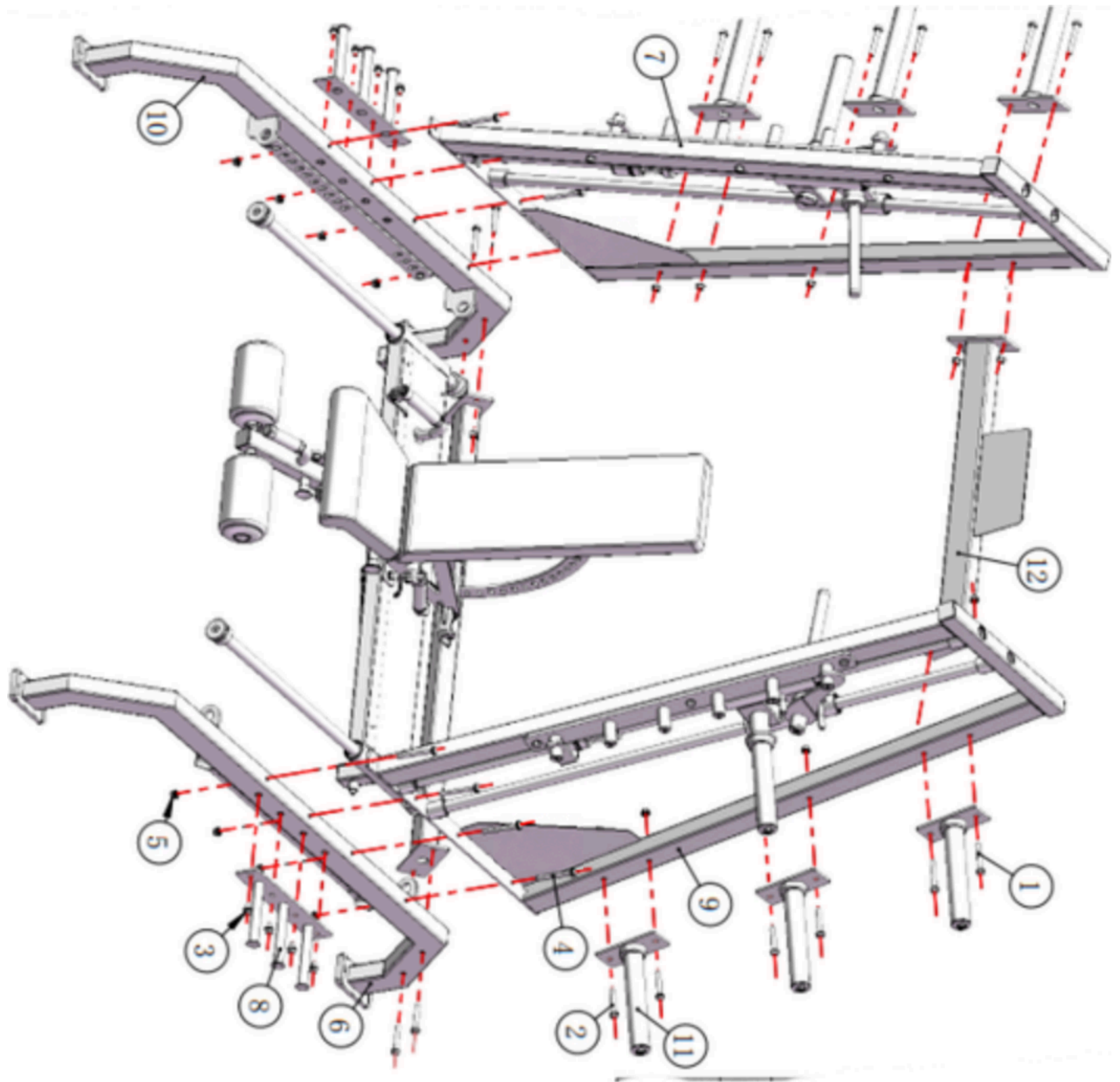
Identify your components

Match each reference and quantity to the drawing for this stage.

REF 1 QTY 4  Hex-head bolt M12 × 85	REF 2 QTY 18  Hex-head bolt M12 × 75	REF 3 QTY 8  Hex-head bolt M12 × 20
REF 4 QTY 8  Hex-head bolt M12 × 105	REF 5 QTY 34  Nima M12	REF 6 QTY 1  Left base assembly
REF 7 QTY 1  Right frame assembly	REF 8 QTY 2  Elastic band hooks	REF 9 QTY 1  Left frame assembly
REF 10 QTY 1  Right base assembly	REF 11 QTY 1  Weight horn assembly	REF 12 QTY 1  Upper support assembly

STAGE 5 / DRAWING 1 OF 1

Assembly stage 5



Match the numbered callouts to the Stage 5 parts list. Position the components as shown and use the listed hardware at each connection.

Stage 5: Assemble the Tower Frame

Keep the machine unloaded. Obtain any missing guide, bar, carriage or safety-stop installation detail before commissioning.

13. Stand and brace the side frames

Identify bases 6 and 10, side frames 7 and 9 and upper support 12. Use sufficient lifting help to brace both uprights. Keep the bar and bench carriage mechanically supported and restrained throughout; never work beneath them without independent support.

14. Join the bases, frames and upper support

Follow the exploded view to position both side frames on their matching bases and connect upper support 12. Start the illustrated M12 bolts 1–4 at their marked joints with the confirmed nuts and any required washers. Some base callouts conflict with the list; confirm hardware lengths before final fastening.

15. Install the bench carriage and storage fittings

Locate the completed bench carriage and transverse assembly between the side frames as shown. Verify every guide, shaft-end retainer and travel stop against the actual kit; the source does not provide their full installation detail. Fit storage-horn assembly 11 and band-hook fittings 8 using the depicted, confirmed hardware.

16. Align and secure the whole machine

Align the upright guides and bases without forcing the frame. Secure structural joints only after the full assembly stands evenly. Confirm fastener torque, floor anchoring and permissible loads with Build A Gym; these values are not supplied in this source. Keep the bar and carriage restrained until retention checks pass.

Check before continuing

All structural joints, guide retainers, horns and carriage attachments are confirmed.

Final Setup: Verify the Safety Systems

No loaded exercise is permitted with an unconfirmed catch, stop, guide or pivot.

17. Check bar catches and safety stops

With no weight plates or bands fitted, support and move the bar slowly. Verify both catches engage fully at matching heights and both safety stops lock and support the unloaded bar as intended. Confirm the supplied stop setup if it differs from the illustration.

18. Check carriage travel and bench clearance

Move the unloaded bench carriage under control through its permitted range. Check positive retention, travel stops, adjustment locks and clearance between pads, rollers, frame and bar. Stop for binding, looseness or uneven travel.

19. Complete the first-use inspection

Recheck frame bolts, pivot retainers, caps, storage horns and all adjustment pins. Verify the confirmed loading and anchoring requirements before adding resistance. Do not use bands or load the bar until every catch, stop and carriage check has passed.

Check before continuing

Unloaded bar, bench and safety systems function correctly.

FINAL CHECK

Ready for the first use?

☐ **Frame and hardware**

Confirm that the frame is stable, all required hardware is installed and all connections are secure.

☐ **Adjustments and safeties**

Check that adjustment pins, locking mechanisms and any safety stops engage fully. Verify that pads and handles are secure.

☐ **Moving parts**

Carefully check the full range of movement. Confirm that moving assemblies clear the frame and guards without binding.

☐ **Bar, carriage and safety inspection**

Confirm bar catches, safety stops, guide retention and all bench adjustment locks.
Verify unloaded bar and carriage travel, frame alignment and the specified loading limits.

☐ **Keep the equipment ready**

Inspect before every use. Wipe contact surfaces dry after use. Have a qualified technician address damaged parts, unusual movement or noise before further exercise.

Need help with assembly?

Contact Build A Gym with your product name, assembly stage, part reference and a clear photo of the issue.

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