

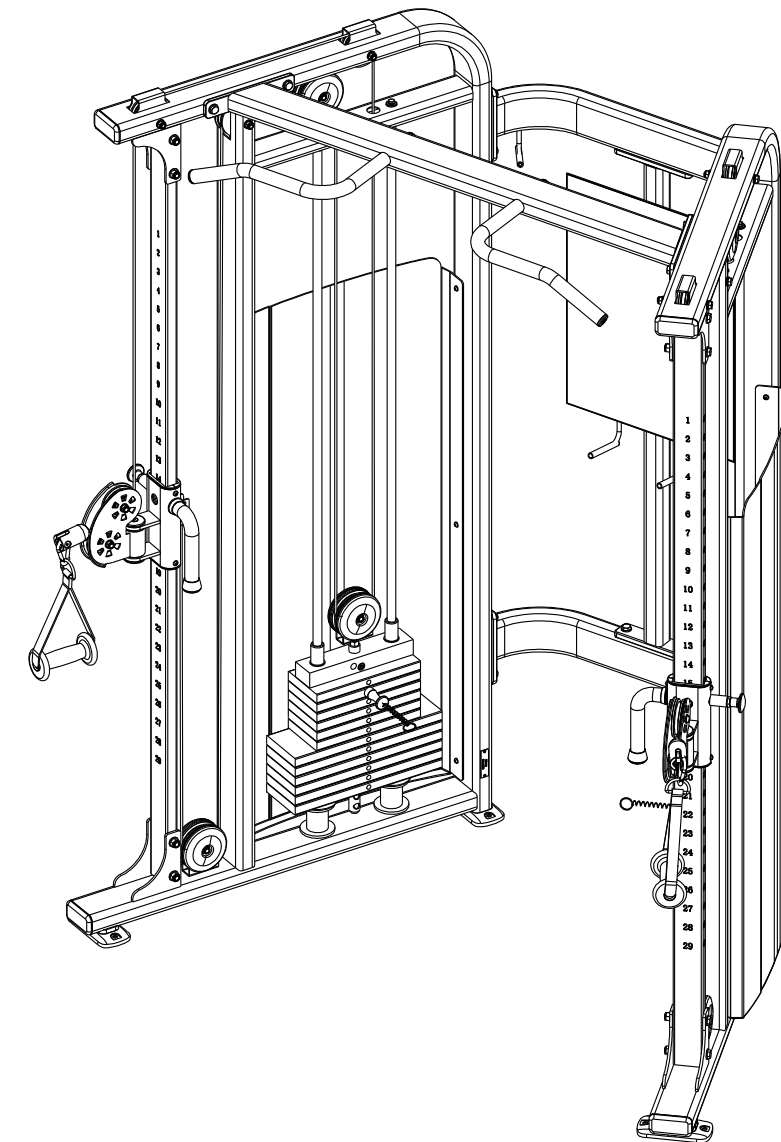
VERVE Cable Cross - Makoto Series
VER-MAK-402



CABLE CROSS

Assembly Instructions

For the easiest possible assembly of your
VERVE Cable Cross - Makoto Series,
it is important to read the following instructions for this product.





CAUTION:

Read all precautions and instructions in this manual
before using this equipment.

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Important Safety Instructions

Before beginning any fitness program, you should obtain a complete physical examination from your physician. When using exercise equipment, basic precautions should always be taken, including the following:

- Read all instructions before using the equipment. These instructions are written to ensure your safety and to protect the unit.
- Do not allow children on or near the equipment.
- Use the equipment only for its intended purpose as described in this guide. Do not use accessory attachments that are not recommended by the manufacturer: such attachments might cause injuries.
- Wear proper exercise clothing and shoes for your workout---no loose clothing.
- Be careful when getting on or off the equipment.
- Do not overexert yourself or work to exhaustion.
- If you feel any pain or abnormal symptoms, stop your workout immediately and consult your physician.
- Never operate the unit when it has been dropped or damaged.
- Never drop or insert anything into any opening in the equipment.
- Always check the unit and its cables before each use. Make sure that all fasteners and cables are secure and in good working condition.
- Frayed or worn cables can be dangerous and may cause injury. Periodically check these cables for any indication of wear.
- Keep hands, limbs, loose clothing and long hair well out of the way of moving parts.
- Do not attempt to lift more weight than you can control safely.
- Do not use the equipment outdoors.

Personal Safety During Assembly

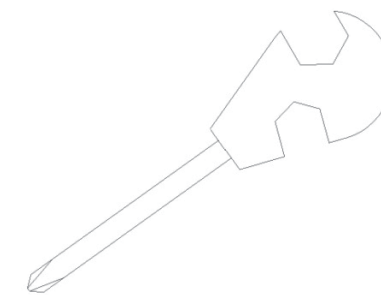
- Read each step in the assembly instructions and follow the steps in sequence. Do not skip ahead. If you skip ahead, you may learn later that you have to disassemble components and that you may have damaged the equipment.
- Assemble and operate the equipment on a solid, level surface. Locate the unit a few feet from walls or furniture to provide easy access. The equipment is designed for your enjoyment. By following these precautions and using common sense, you will have many safe and pleasurable hours of healthful exercise with the equipment.

Instructions

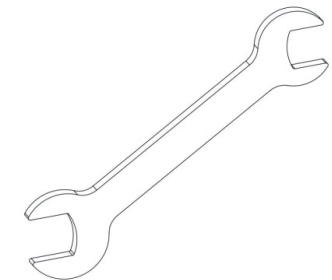
Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your carton. When ordering, use part number and description from the lists. Use only our replacement part when servicing. Failure to do so will void your warranty and could result in personal injury.

The equipment is designed to provide the smoothest, most effective exercise motion possible. After assembly, you should check all functions to ensure correct operation. If you experience problems, first recheck the assembly instructions to locate any possible errors made during assembly. If you are unable to correct the problem, call your authorized dealer. Be sure to have your serial number and this manual when calling. When all parts have been accounted for, continue on.

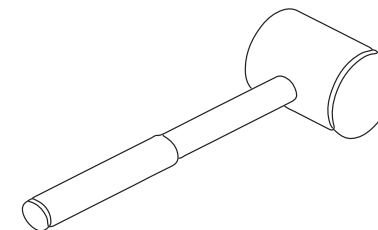
Tools Required



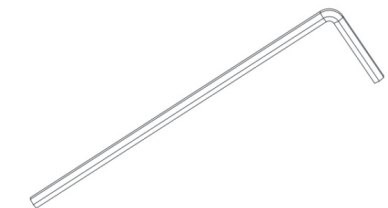
Punch Wrench



Wrench



Rubber Mallet



Hex Key Wrench Set

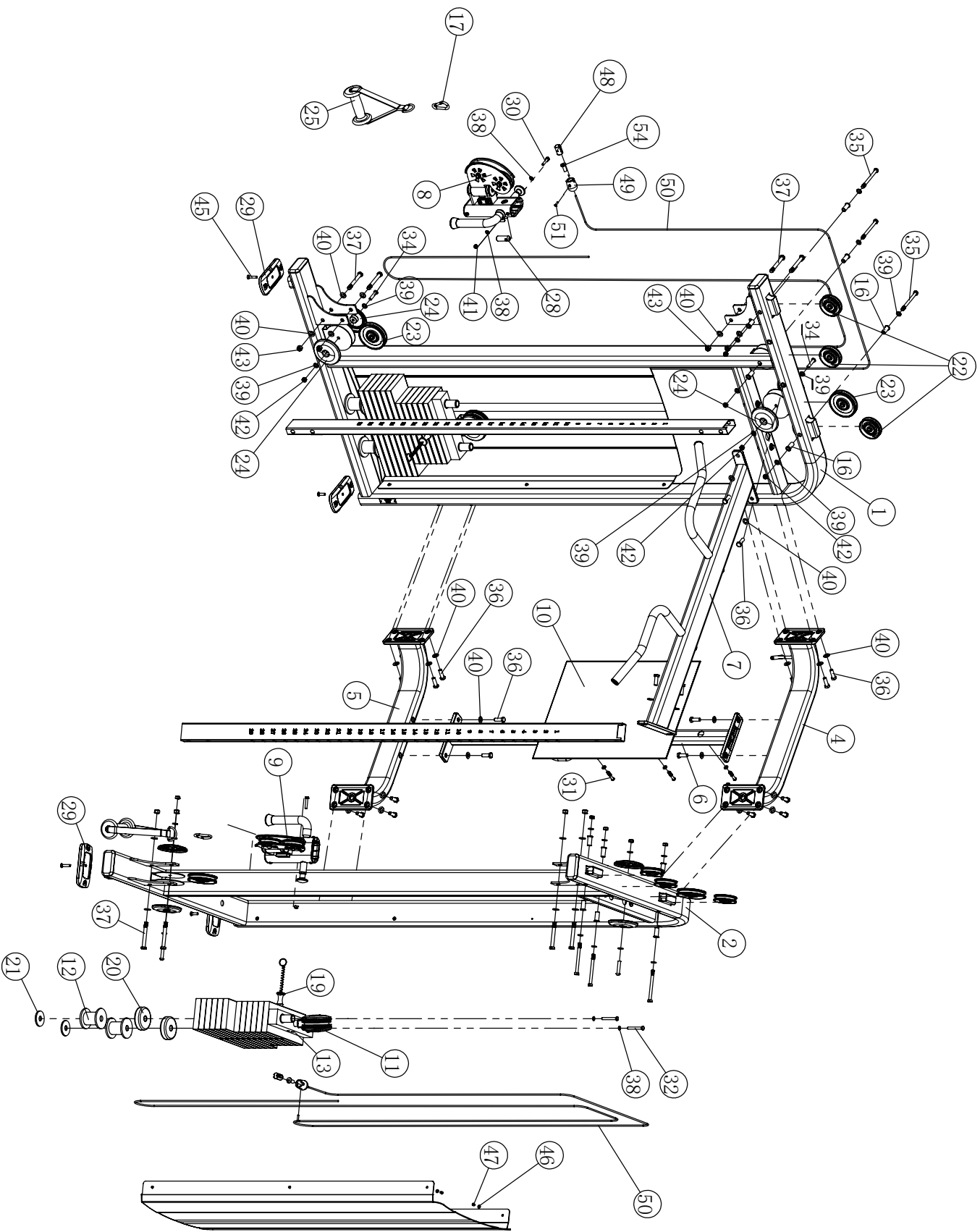
Parts List

Note: some of these parts may come pre-installed.
Optional weight stack don't need 75mm weight stack spacer.

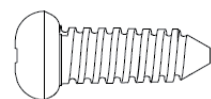
Item	Parts name	Specific	qty
1	Right mast assembly		1
2	Left mast assembly		1
4	Assembling the upper connection frame		1
5	Assembly of the lower connecting frame		1
6	Poster support frame assembly		1
7	Assembling the Handle Holder		1
8	Right adjustment handle assembly		1
9	Left adjustment handle assembly		1
10	Poster board welding		1
11	Pulley frame assembly		2
12	75mm weight stack spacer		4
13	Top sheet set (15) monofilament holes		2
14	Right Stainless Steel Conduit	J30×70×2×2019	1
15	Left Stainless Steel Conduit	J30×70×2×2019	1
16	guide rod	Φ20×1840	4
17	fixed spacer	Φ20×Φ11×37	12
18	Φ8 safety hook	41×80×Φ8	2
20	Magnetic latch set	Φ10×Φ33.5×155	2
21	Counterweight Cushion	Φ19.5×Φ90×25	4
22	Counterweight support frame rubber	Φ60×Φ19.3×5	4
23	Φ89 pulley block	Φ89×25.4	6
24	Φ114 pulley block	Φ114×25.4	4
25	pulley cover	Φ116×Φ10.5×16	8
26	Asuka handle		2
29	Ball head cable fixing column with holes	Φ20×55×M12	2
30	floor mat	50×100	4
31	Hex Bolts	M8×40	2
32	Hexagon socket head bolts	M8×50	3
33	Hex Bolts	M8×65	4
35	Hexagon socket head bolts	M10×50	4

36	Hex Bolts	M10×120	6
37	Hex Bolts	M12×35	24
38	Hex Bolts	M12×100	8
39	Flat Washers	Φ8.5×Φ16×1.5	11
40	Flat Washers	Φ11×Φ20×2	20
41	Flat Washers	Φ13×Φ24×2	40
42	Nii hat	M8	2
43	Nii hat	M10	10
44	Nii hat	M12	8
45	Hexagon socket head screw	M8×30	2
46	Hexagon socket head screw	M8×40	2
47	Rear guard (little bird)	590×107×1370	2
48	Flat Washers	Φ6.5×Φ12×1.2	12
49	Hexagon socket head bolts	M6×10	12
50	Cable Terminal Fixing Column	Φ22×40	2
51	Small steel cable fixing sleeve	Φ38×Φ32×Φ23×49	2
52	CPE1402 steel cable	Φ5×8250	2
53	Hexagon socket head screw	M5×25	2
54	Steel cable protection sleeve	Φ21×Φ12×Φ8×30	2

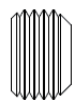
Exploded View



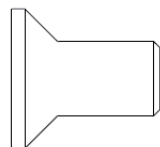
Measurement Guide



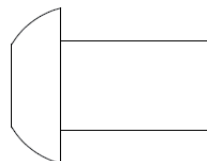
Cross Recessed Pan Head Tapping Screw



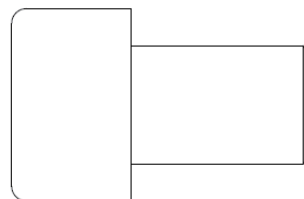
Hex Socket Set Screw with Flat Point



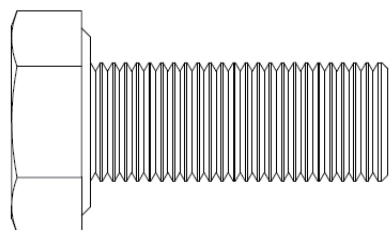
Flat Head Cap Screw



Button Head Cap Screw



Socket Head Cap Bolt



Hex Bolt



Assembly Instructions

Assembly of the equipment takes professional installers about 2 hours. If this is the first time you have assembled this type of equipment, plan to spend more time. It is strongly recommended to assembly the equipment by professional installers. You may find it quicker, safer, and easier to assemble this equipment with the help of a friend, as some of components may be large, heavy or awkward to handle alone. It is important that you assemble your product in a clean, clear, uncluttered area. This will enable you to move around the product while you are fitting components and reduce the possibility of injury during assembly.

Note: As with any assembled part, proper alignment and adjustment is critical. While tightening the fasteners, be sure to leave room for adjustments. Do not fully tighten the fasteners until instructed to do so. Be careful to assemble the components in the sequence presented in this guide.

Assembly

Step 1

1. Install 4 pieces of floor mats (#30) to the right mast assembly (#1) and the left mast assembly (#2) respectively.

Use: 2 pieces of hexagon socket head screws M8X30 (#45),
2 pieces of socket head socket head screws M8X40 (#46).

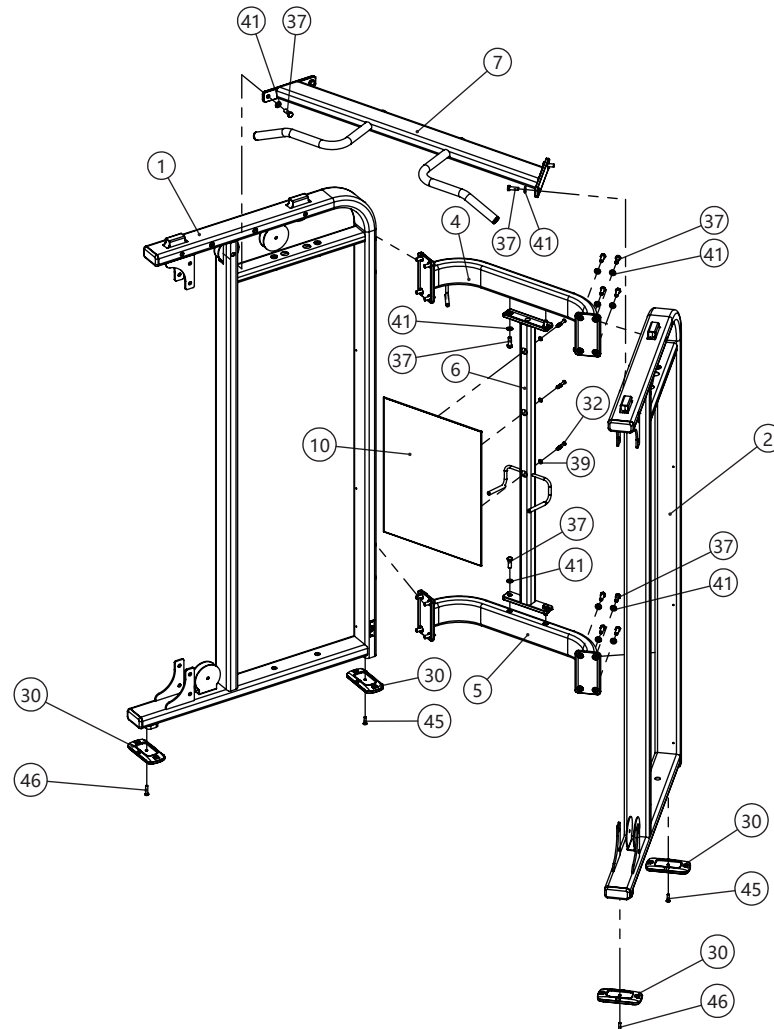
2. Assemble 1 piece of upper connecting frame (#4), 1 piece of lower connecting frame (#5), and 1 piece of poster board (#10), and install it on the poster Support frame assembly (#6).

Use: 4 pieces of hexagonal bolts M12X35 (#37),
3 pieces of hexagonal umbrella head bolts M8X50 (#32),
4 pieces of flat washers $\phi 13 \times \phi 24 \times 2$ (#41),
3 pieces of flat washers $\phi 8.5 \times \phi 16 \times 1.5$ (#39).

3. Combine 1 piece of right door frame assembly (#1), 1 piece of left door frame assembly (#2), 1 piece of handle frame assembly (#7) and 1 piece of assembly from step 2 installed together.

Use: 20 pieces of hexagonal bolts M12X35 (#37),
20 pieces of flat washers $\phi 13 \times \phi 24 \times 2$ (#41).

Note: 1. Tighten the bolts to meet the installation requirements



Step 2

1. Install 2 pieces of ball-end steel cable fixing columns with holes (#29) to the right adjustment handle assembly (#8) and the left adjustment handle assembly (#9) respectively.
Use: 2 pieces of hexagonal bolts M8X40 (#31), 4 pieces of flat washers $\phi 8.5 \times \phi 16 \times 1.5$ (#39),
2 pieces of caps M8 (#42).

2. Install 1 piece of right adjustment handle assembly (#8) to the right stainless steel conduit (#14), and 1 piece of left adjustment handle assembly (#9) into the left Stainless Steel Conduit (#15).

3. Install 1 piece of right stainless steel conduit (#14) to the right mast assembly (#1), and 1 piece of left stainless steel conduit (#15) to the left mast assembly (#2) on.

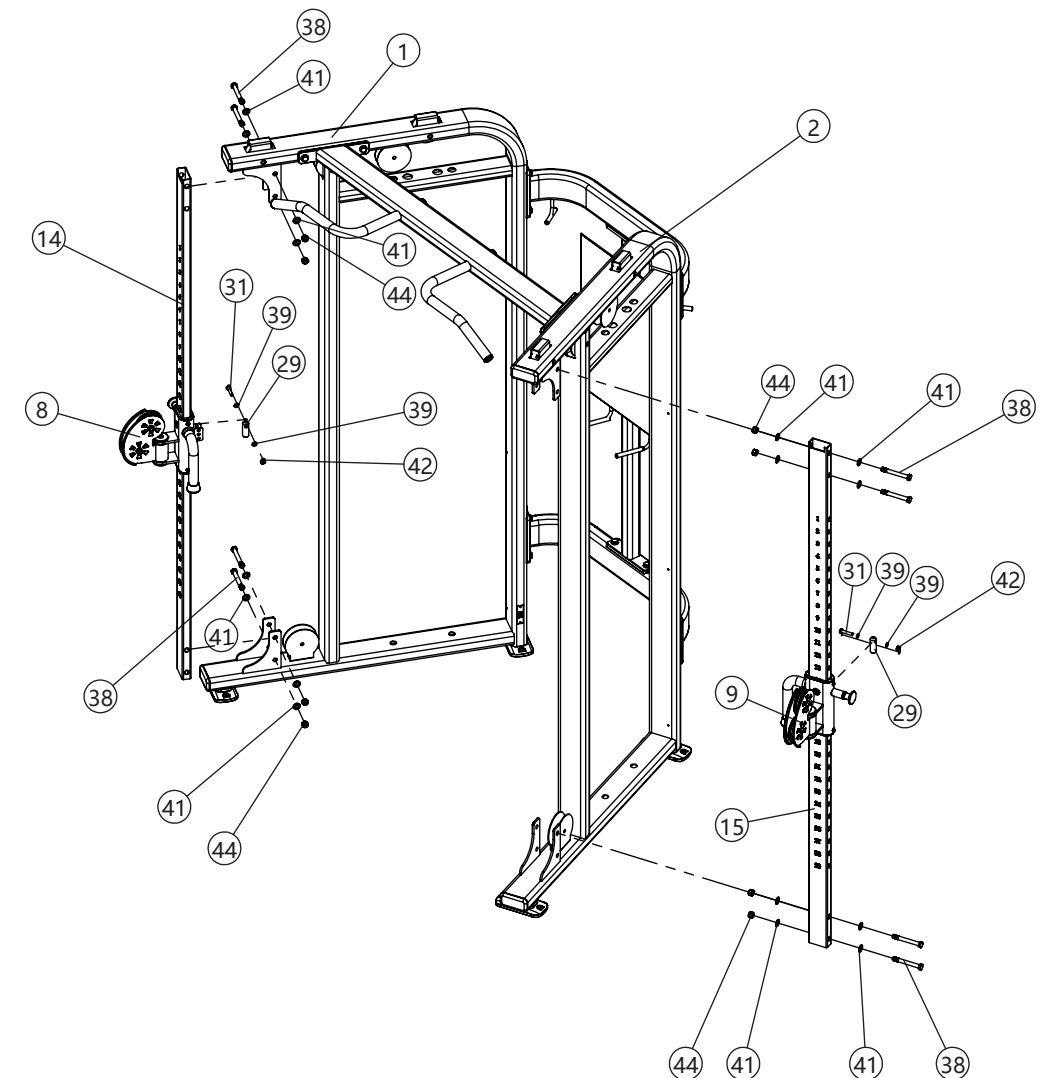
Use: 8 pieces of hexagon bolts M12X100 (#38), 16 pieces of flat washers $\phi 13 \times \phi 24 \times 2$ (#41),
8 pieces of caps M12 (#44).

Note: 1. Tighten the bolts to meet the installation requirements.

2. Pay attention to the installation direction of the stainless steel catheter.

The side with the engraved number should face the front of the device, and the side with the pin hole should face the outside of the device.

3. Pay attention to adjust the installation direction of the handle, the handle should face the inside of the device, and the latch should face the outside of the device.



Step 3

1. Attach 2 pieces of guide rods (#16), 2 pieces of Counterweight support frame rubbers (#22), 2 pieces of Elevators 75mm (#12), 2 pieces of counterweight cushions (#21), 2 sets of weight stacks, and 1 piece of top piece set (#13) to the Left mast assembly (#2) in order.

Use: 2 Hex Bolts M8X65 (#33)

2 Flat Washers $\phi 8.5 \times \phi 16 \times 1.5$ (#39)

2. Install the 1-piece Magnetic latch set (#20) onto the weight stacks.

3. Attach the 1-piece Pulley frame assembly (#11) to the top piece set (#13).

4. Attach 3 pieces of $\phi 89$ pulley (#23) and 2 pieces of $\phi 114$ pulley (#24) to the Left mast assembly (#2).

Use: 2pcs Hexagon socket head bolts M10X50 (#35)

3pcs Hex Bolts M10X120 (#36)

10pcs Flat Washers $\phi 11 \times \phi 20 \times 2$ (#40)

5pcs nut M10 (#43)

6pcs fixed spacer (#17)

4pcs pulley cover (#25)

5. Attach the end of 1-piece steel cable (#52) with bolt to the ball head cable fixing post with hole (#29), and the ball end of the cable passes through the pulley in turn, and passes through the center of the Left Adjustable Handle Assembly (#9), and connects to 1-piece Asuka handle (#26) through the 18# $\phi 8$ Safety Hook.

6. Install 1 rear shroud (#47) onto Left mast assembly (2#)

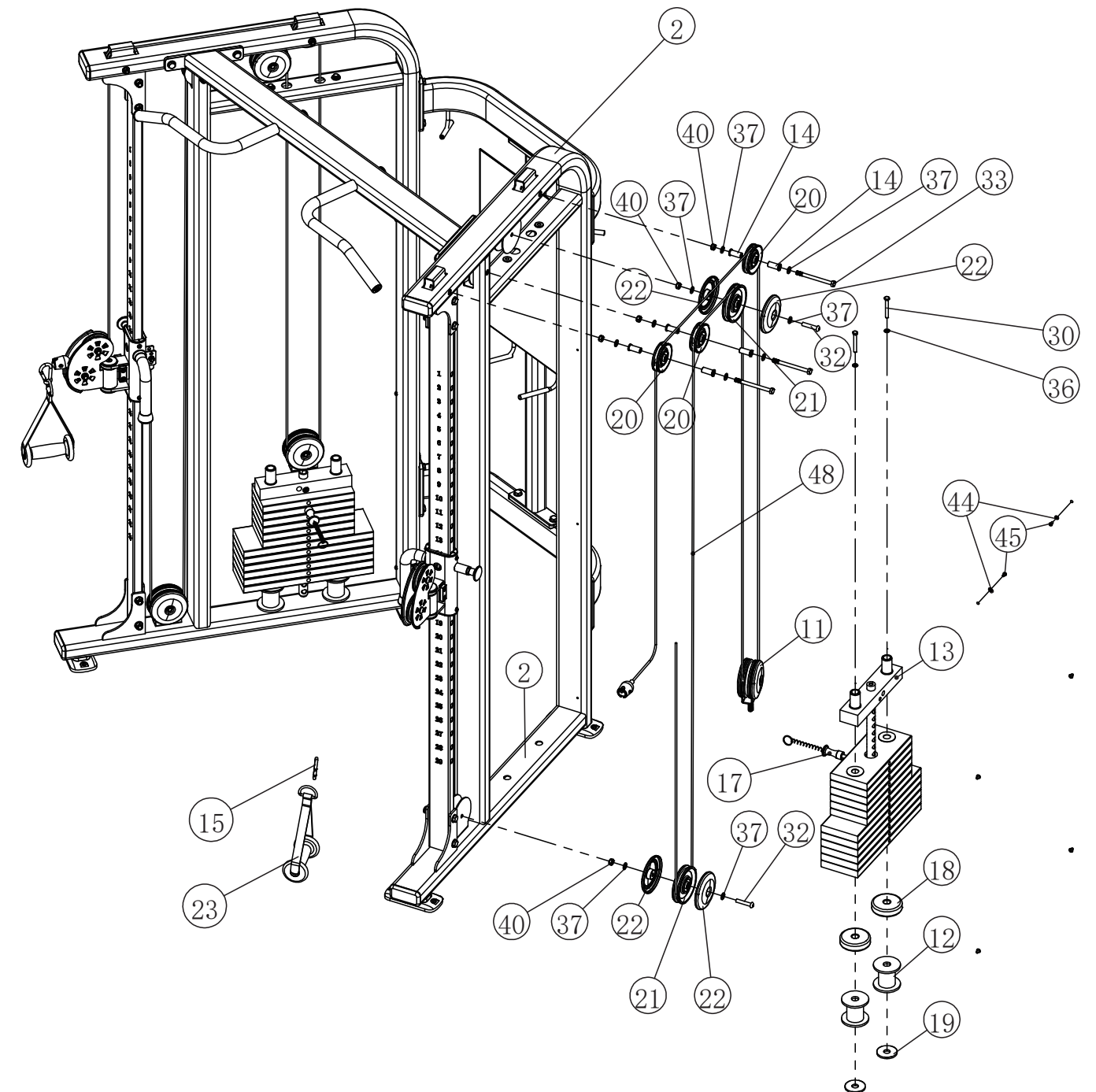
Use: 6pcs Hexagon socket head bolts M6x10 (49)

6pcs flat washers $\phi 6.5 \times \phi 12 \times 1.2$ (#48)

7. Repeat steps 1-7 above to complete Right mast assembly

Note: 1. Tighten bolts until the installation fit requirements.

2. The steel cable is installed in the manner shown in the illustration.



Maintenance Schedule

ROUTINE	COMMERCIAL MAINTENANCE	HOME MAINTENANCE	LATEST DATE ENTRY						
Inspect: Links, Pull Pins, Snap Locks, Swivels, Weight Stack Pins	DAILY	WEEKLY							
Clean: Upholstery	DAILY	WEEKLY							
Inspect: Cables or Belts and their tension	DAILY	WEEKLY							
Inspect: Accessory Bars, and Handles	WEEKLY	3 MONTHS							
Inspect: All Decals	WEEKLY	3 MONTHS							
Inspect: All Nuts and Bolts, Tighten if needed	WEEKLY	3 MONTHS							
Inspect: Anti-skid Surface	WEEKLY	3 MONTHS							
Clean&Lubricate: Guide rods with a Teflon(PTFE) based lubricant(Superlube)	MONTHS	3 MONTHS							
Lubricate: Seat Sleeves, Turcite Bushings, Linear Bearing	MONTHS	3 MONTHS							
Clean and Wax: All Glossy Finishes	6 MONTHS	YEARLY							
Repack with Grease: Linear Bearings	6 MONTHS	YEARLY							
Replace: Cables, Belts and Connecting Parts	YEARLY	3 YEARS							

General Maintenance Information

Links, Pull-Pins, Snap Hooks, Swivels, Weight Stack Pins:

- Check all pieces for signs of visible wear or damage.
- Check springs in snap hooks and pull-pins for proper tension and alignment.
- If the spring sticks or has lost its rigidity, replace it immediately.

Upholstery:

- To ensure prolonged upholstery life and proper hygiene, all upholstered pads should be wiped down with a damp cloth after every workout.
- Periodically take the time to use a mild soap or approved vinyl upholstery cleaner to deter the onset of cracking or drying.
- Avoid using any abrasive cleaners or cleaners not intended for use on vinyl.
- Replace ripped or worn upholstery immediately.
- Keep sharp or pointed objects clear of all upholstery.

Decals:

- Inspect and familiarize yourself with any safety warnings or other user information posted on each decal.

Nuts and Bolts:

- Inspect all nuts and bolts for any loosening and tighten if needed.
- Go through a re-tightening sequence periodically to ensure that all hardware is tensioned proper.

Anti-Skid Surfaces:

- These surfaces are designed to supply secure footing and need to be replaced if they appear worn or become slippery.

Belts and Cables:

- We use only high quality belt, and mil-spec cables.
- Visually inspect the belts and cables for fraying, cracking, peeling or discoloration.
- While the machine is not in use, carefully run your fingers along the belt or cable to feel for thinning or bulging areas.
- Replace belts and cables immediately at the first signs of damage or wear. Do not use equipment until belts or cables have been replaced.

Weight Training Tips

Belt and Cable Tensions:

- Referring to the Owner’s Manual, when belts or cables are used check all bolts attachment to be sure they are properly attached.
- Check slack in cables and re-adjust cable tension if needed.

Seat Sleeves, Guide Rods:

- Wipe down adjusting tubes with a dust free rag before applying lubricant.
- Lubricate seat sleeves and Guide Rods with silicon or Teflon based lubricant spray.

Linear Bearings:

- Referring to the owner’s manual carefully disassembly the bearing from its housing and place a finger full of light grease (lithium, super lube, etc) into the inside of the bearing. Use your finger, press the grease into the ball-bearings and their tracks. Repeat until the ball-bearing tracks are full of grease. Insert the shaft back into the bearing and wipe off excess grease.

Use this manual to guide you through the basic exercises you can perform on your equipment. To gain maximum results and avoid possible injury, consult a fitness professional to develop your complete exercise program.

Always consult your physician before starting any exercise program.

To be successful in your exercise program, it is important to develop an understanding of the basic principles of strength training. Now that you have your equipment, it is only natural that you want to get started immediately. First, determine a set of realistic goals and objectives for yourself. By deciding on an exercise plan that is right for you prior to starting, you will contribute significantly to your success.

Warm up properly before engaging in weight resistance training. Stretching, yoga, jogging, calisthenics or other cardiovascular exercise can help prepare your body for the heavier workload of lifting weights.

Learn how to perform the exercise correctly before using heavy weight. Correct form is important to avoid injury and to ensure that you work the proper muscle groups.

Know your limitations. If you are new to weight training or are embarking on an exercise regimen after a long layoff, start slowly and build foundational strength over a longer period of time.

Pay attention to your breathing. Exhale when you exert is a general rule of thumb. Never hold your breath.

Specifications

Assembled Dimension:172×100×219 cm
Net Weight:190 kg