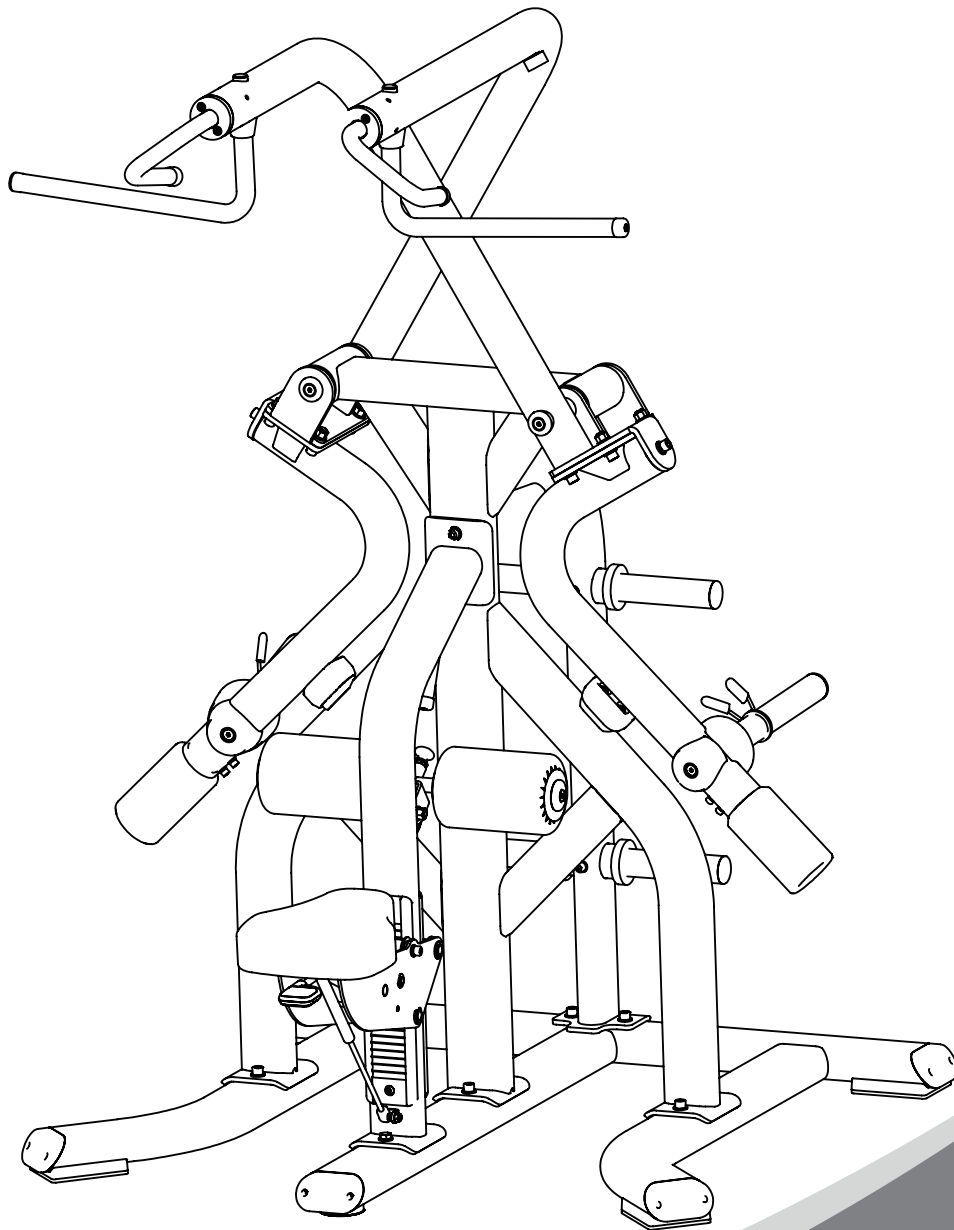




DSH037

MULTI-PULLDOWN

OWNER'S MANUAL



! 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:

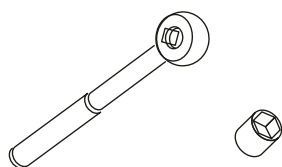
1. Read all instructions before using the equipment.
These instructions are written to ensure your safety and to protect the unit.
2. Use the equipment only for its intended purpose as described in this guide.
Do not use accessory attachments that are not recommended by the manufacturer: such attachments might cause injuries.
3. The product should only be used on a level surface and is with 0.5 meters space around the product.
Do not use the equipment outdoors.
4. Do not allow children on or near the equipment. And children are not allowed to use this equipment.
Teenagers should use this equipment with adult supervision.
5. Do not overexert yourself or work to exhaustion.
Do not attempt to lift more weight than you can control safely.
If you feel any pain or abnormal symptoms, stop your workout immediately and consult your physician.
6. This equipment is not used as medical apparatus and instruments.
7. 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.
8. Be careful when getting on or off the equipment.
9. Wear proper exercise clothing and shoes for your workout, no loose clothing.

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 shipment. 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.

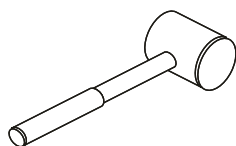
Tools Required



Ratchet Wrench and Socket



Adjustable Wrench



Rubber Mallet



Hex Key Wrench Set



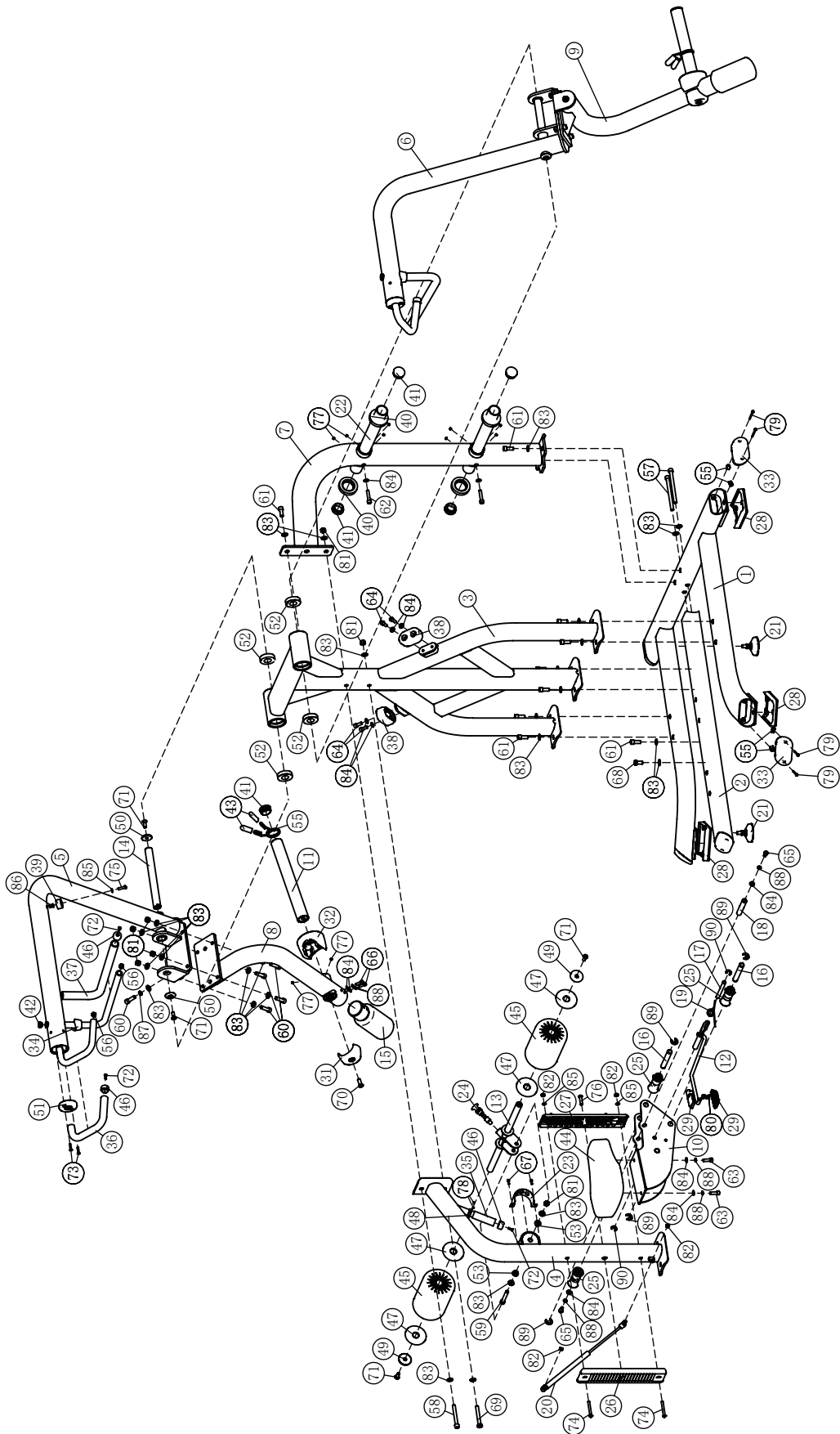
Phillips Screwdriver

Parts List

NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED.

Item No.	Description	Qty	Item No.	Description	Qty
1	Adjustable Foot Plate	1	47	Aluminium Grip Ring $\phi 90 \times \phi 26.2 \times 5$	4
2	Front Frame	1	48	Aluminium Grip Ring $\phi 33 \times \phi 26.8 \times 9.5$	1
3	Main Frame	1	49	Aluminum Cap $\phi 54 \times \phi 12.5 \times 10.6$	2
4	Support Frame	1	50	Aluminum Cap $\phi 43 \times \phi 10.5 \times 8$	4
5	Right Arm Frame	1	51	Aluminum Cap $\phi 76 \times 17.6$	2
6	Left Arm Frame	1	52	Bearing 6005-2Z	4
7	Barbell Support Frame	1	53	Bushing $\phi 25 \times \phi 12.2 \times 13$	2
8	Left Counterweight Frame	1	54	Circlip	2
9	Right Counterweight Frame	1	55	Reed Nut M5	10
10	Seat Frame	1	56	Plum Shrapnel	4
11	Counterweight Stick Frame	2	57	Socket Head Cap Screw M12 \times 150	2
12	Shift Lever Components	1	58	Socket Head Cap Screw M12 \times 95	1
13	Swing Tube	1	59	Socket Head Cap Screw M12 \times 80	1
14	Shaft $\phi 30 \times 284 \times M10$	2	60	Socket Head Cap Screw M12 \times 40	10
15	Counterweight welding items	2	61	Drop-Resistant Hex Socket Head Screw M12 \times 30	10
16	Shaft $\phi 19.05 \times 128.8$	2	62	Socket Head Cap Screw M10 \times 50	2
17	Lever shaft $\phi 12.7 \times 128.3$	1	63	Socket Head Cap Screw M10 \times 30	2
18	Shaft $\phi 19.05 \times 107.2$	1	64	Socket Head Cap Screw M10 \times 25	4
19	Spring	1	65	Socket Head Cap Screw M10 \times 20	2
20	Gas spring assembly	1	66	Button Head Cap Screw M10 \times 30	4
21	Height Adjustment Assembly	2	67	Socket Head Cap Screw M5 \times 15	2
22	Short Barbell Tube	2	68	Hex Head Screw M8 \times 70	1
23	Curved liner	1	69	Hex Head Screw M8 \times 30	1
24	Pop Pin	1	70	Fall-Resistant Hex Socket Countersunk Head Screw M12 \times 35	2
25	Wheel	3	71	Flat Head Cap Screw M10 \times 30	6
26	Inside Cushion Slide	1	72	Fall-Resistant Hex Socket Countersunk Head Screw M6 \times 20	5
27	Outside Cushion Slide	1	73	Fall-Resistant Hex Socket Countersunk Head Screw M6 \times 30	4
28	Rubber Foot	3	74	Button Head Cap Screw M8 \times 70	2
29	Handle Upper Cover Assembly	1	75	Button Head Cap Screw M8 \times 30	1
30	Handle Lower Cover	1	76	Fall-Resistan Button Head Cap Screw M8 \times 45(BS)	1
31	Outer Sheath Component	2	77	Socket Set Screw M8 \times 6	12
32	Inside Cushion	2	78	Socket Set Screw M5 \times 3	2
33	Plug PT60 \times 120	5	79	Cross Head Self-Tapping Screw M5 \times 60	10
34	Grip $\phi 25 \times 32.6$	2	80	Cross Head Self-Tapping Screw M4 \times 10	2
35	Spring Grip ST $\phi 30 \times \phi 22 \times 95$	1	81	Nylon lock Nut M12	11
36	Grip ST $\phi 30 \times \phi 22 \times 270$	2	82	Nylon lock Nut M8	4
37	Grip ST $\phi 30 \times \phi 22 \times 580$	2	83	Flat Washer $\phi 13.5 \times \phi 24 \times 2.5$	37
38	Limit Cushion	2	84	Flat Washer $\phi 11 \times \phi 20 \times 3$	14
39	Cushion $\phi 38 \times \phi 9.6 \times 19.5$	1	85	Flat Washer $\phi 9 \times \phi 16 \times 6$	3
40	Cushion $\phi 78 \times \phi 47.5 \times 15$	4	86	Flat Hex Nut M8 \times 15	1
41	Plug $\phi 48$	6	87	Spring Washer $\phi 12$	2
42	Plug $\phi 22$	2	88	Spring Washer $\phi 10$	8
43	Circlip Rubber Sleeve	4	89	Open Retaining Ring $\phi 15$	4
44	Seat Pad	1	90	Open Retaining Ring $\phi 12$	2
45	Roller	2	91	Button Head Cap Screw $\phi 10$	4
46	Aluminium Grip Cap	5	170	Flat Washer $\phi 5.5 \times \phi 12 \times 1$	2

Exploded View



Measurement Guide



BHCS = Button Head Cap Screw



SHCS = Socket Head Cap Screw



FHCS = Flat Head Cap Screw



HHB = Hex Head Bolt



Millimeters



Inches

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 assemble the equipment by professional installers. You may find it quicker, safer, 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

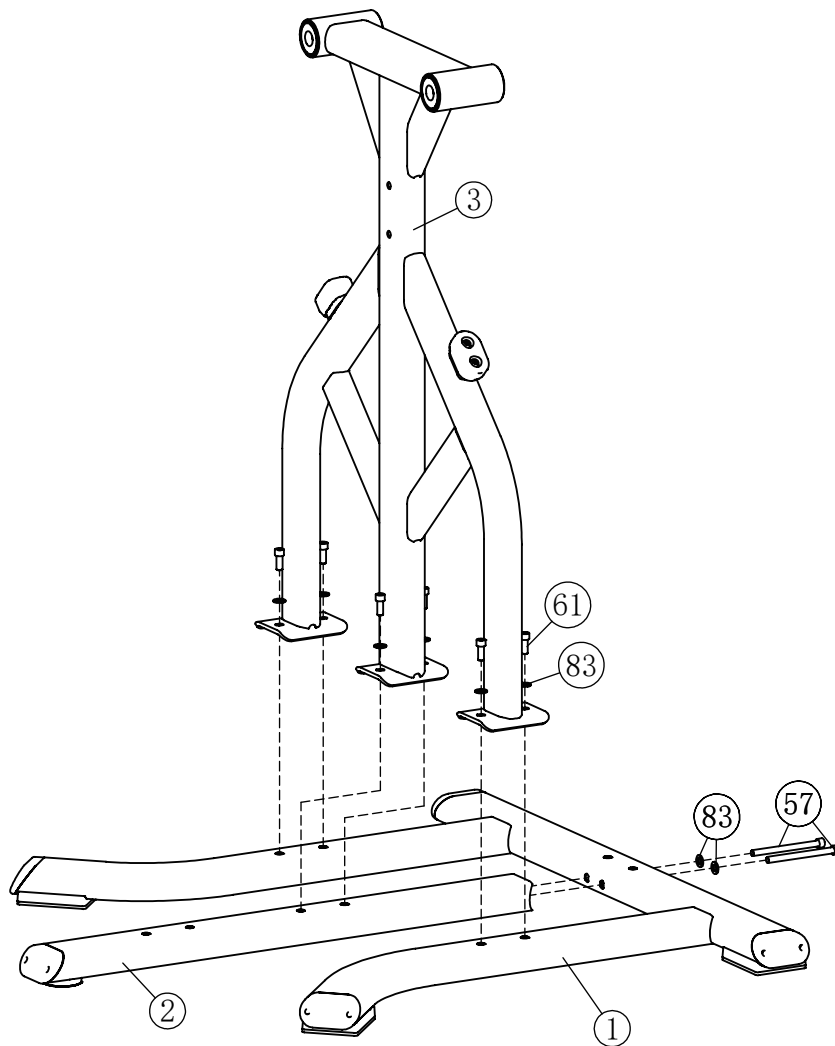
As with any assembled part, proper alignment and adjustment is critical. While tightening the fasteners, be sure to leave room for adjustments. Do not fully tighten the fasteners until instructed to do so. Be careful to assemble the components in the sequence presented in this guide.

Assembly

STEP 1

Note: Hand Tighten Bolts and Nylon Lock Nuts.

Item No.	Description	Qty	Item No.	Description	Qty
1	Adjustable Foot Plate	1	57	Socket Head Cap Screw M12×150	2
2	Front Frame	1	61	Drop-Resistant Hex Socket Head Screw M12×30	6
3	Main Frame	1	83	Flat Washer $\phi 13.5 \times \phi 24 \times 2.5$	8

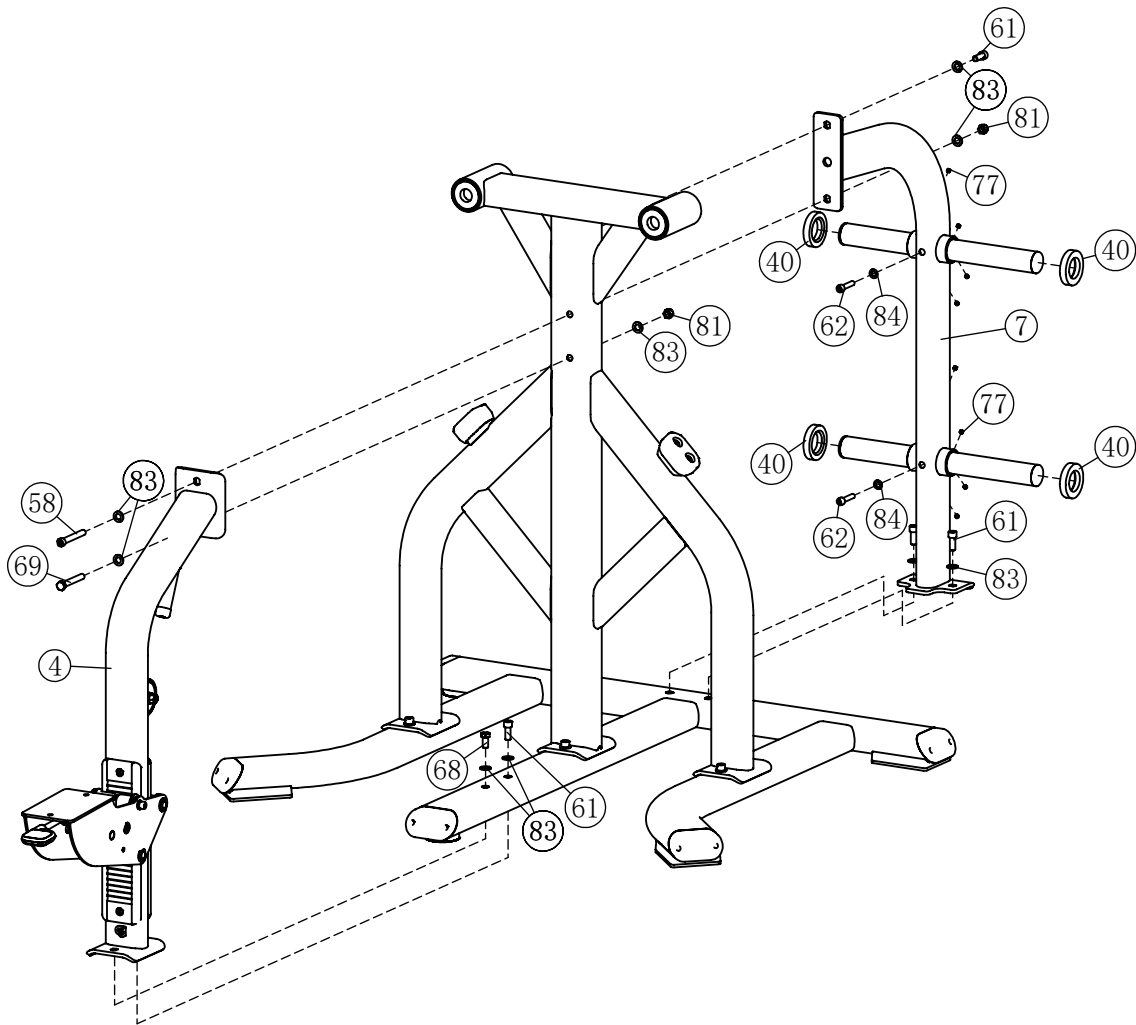


Assembly

STEP 2

Note: Hand Tighten Bolts and Nylon Lock Nuts.

Item No.	Description	Qty	Item No.	Description	Qty
4	Support Frame	1	68	Hex Head Screw M8×70	1
7	Barbell Support Frame	1	69	Hex Head Screw M8×30	1
40	Cushion φ78×φ47.5×15	4	77	Socket Set Screw M8×6	8
58	Socket Head Cap Screw M12×95	1	81	Nylon lock Nut M12	2
61	Drop-Resistant Hex Socket Head Screw M12×30	4	83	Flat Washer φ13.5×φ24×2.5	9
62	Socket Head Cap Screw M10×50	2	84	Flat Washer φ11×φ20×3	2

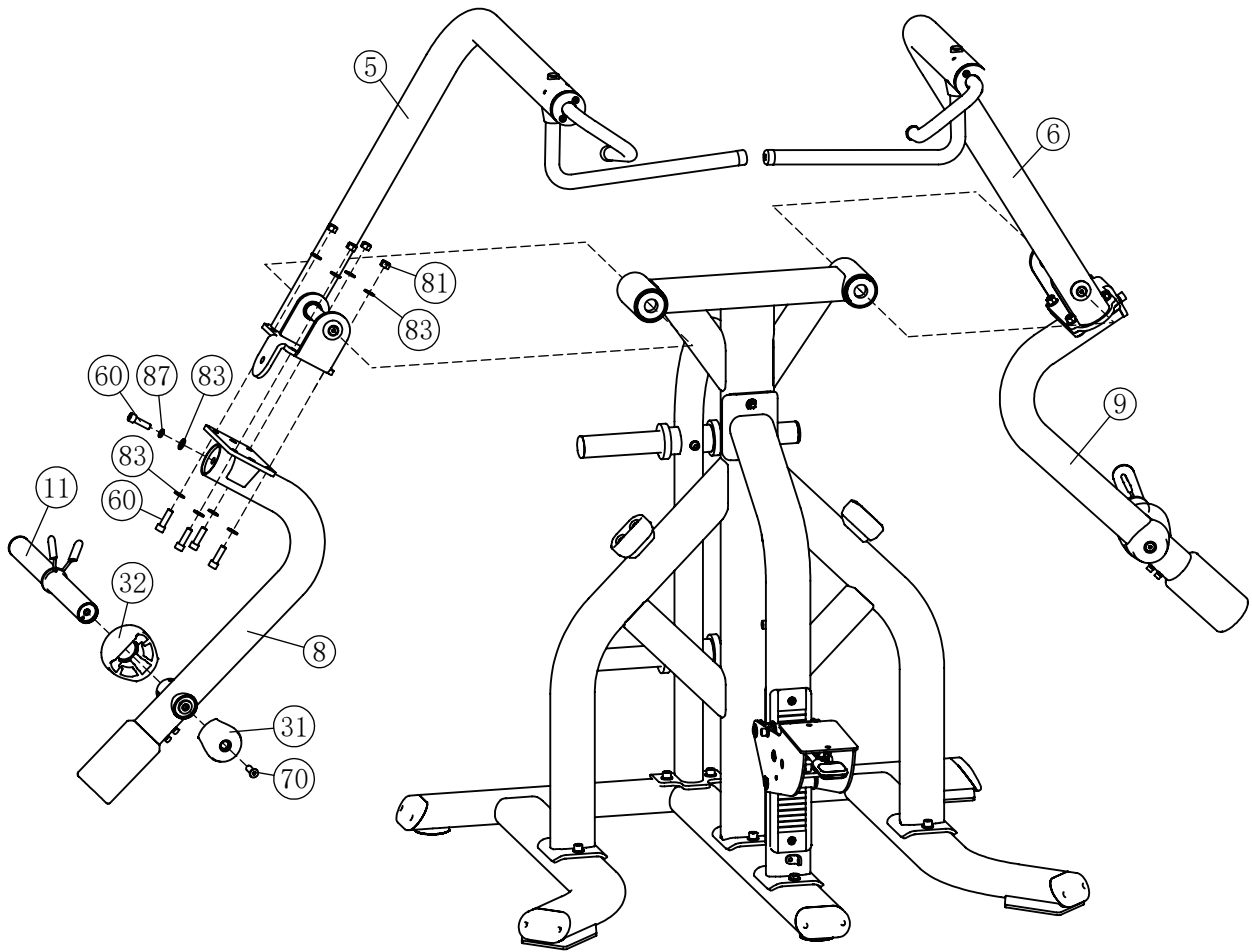


Assembly

STEP 3

Note: Hand Tighten Bolts and Nylon Lock Nuts.

Item No.	Description	Qty	Item No.	Description	Qty
5	Right Arm Frame	1	32	Inside Cushion	2
6	Left Arm Frame	1	60	Socket Head Cap Screw M12×40	10
8	Left Counterweight Frame	1	70	Fall-Resistant Hex Socket Countersunk Head Screw M12×35	2
9	Right Counterweight Frame	1	81	Nylon lock Nut M12	8
11	Counterweight Stick Frame	2	83	Flat Washer φ13.5×φ24×2.5	18
31	Outer Sheath Component	2	87	Spring Washer φ12	2



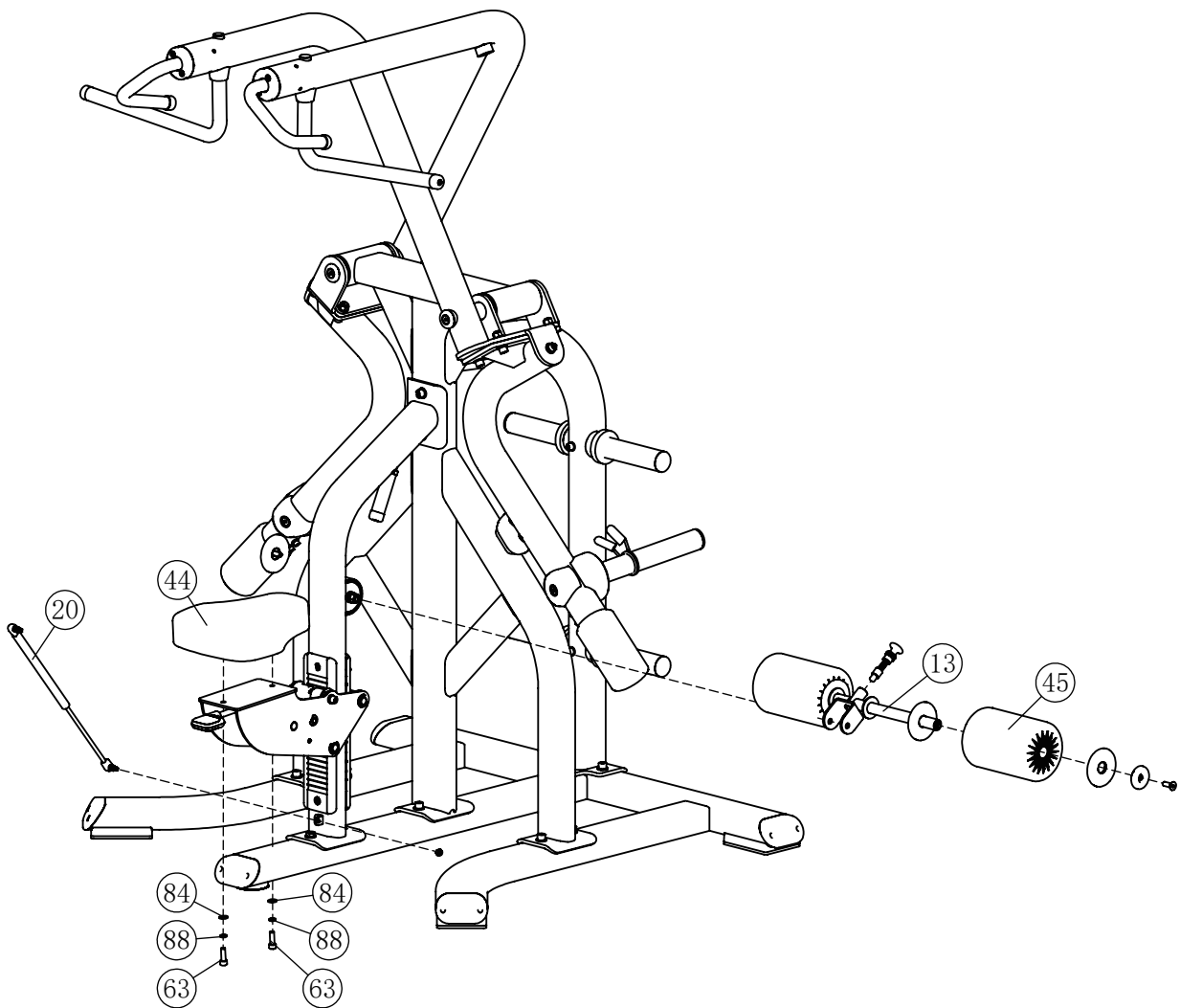
Note: Please firstly Install part No.5 and part No.6, then Install part No.8 and part No.9,

Assembly

STEP 4

Note: Wrench Tighten Screws.

Item No.	Description	Qty	Item No.	Description	Qty
13	Swing Tube	1	63	Socket Head Cap Screw M10×30	2
20	Gas spring assembly	1	84	Flat Washer $\phi 11 \times \phi 20 \times 3$	2
44	Seat Pad	1	88	Spring Washer $\phi 10$	2
45	Roller	1			



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)	MONTHLY	3 MONTHS							
Lubricate; Seat Sleeves, Turcite Bushings, Linear Bearing	MONTHLY	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							

Your equipment comes with a commercial maintenance decal. For personal, in home use, please follow the home maintenance schedule listed above.

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 an 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.

Belt and Cable Tension:

- * Referring to the Owners Manual, when belts or cables are used check all bolts attachments 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 a Silicon or Teflon based lubricant spray.

Linear Bearings:

- * Referring to the Owners Manual carefully disassemble the bearing from its housing and place a finger full of light grease (lithium, super lube, etc.) into the inside of the bearing. Using 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.

PLEASE KEEP THIS FOR YOUR RECORDS

Weight Training Tips

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.

