

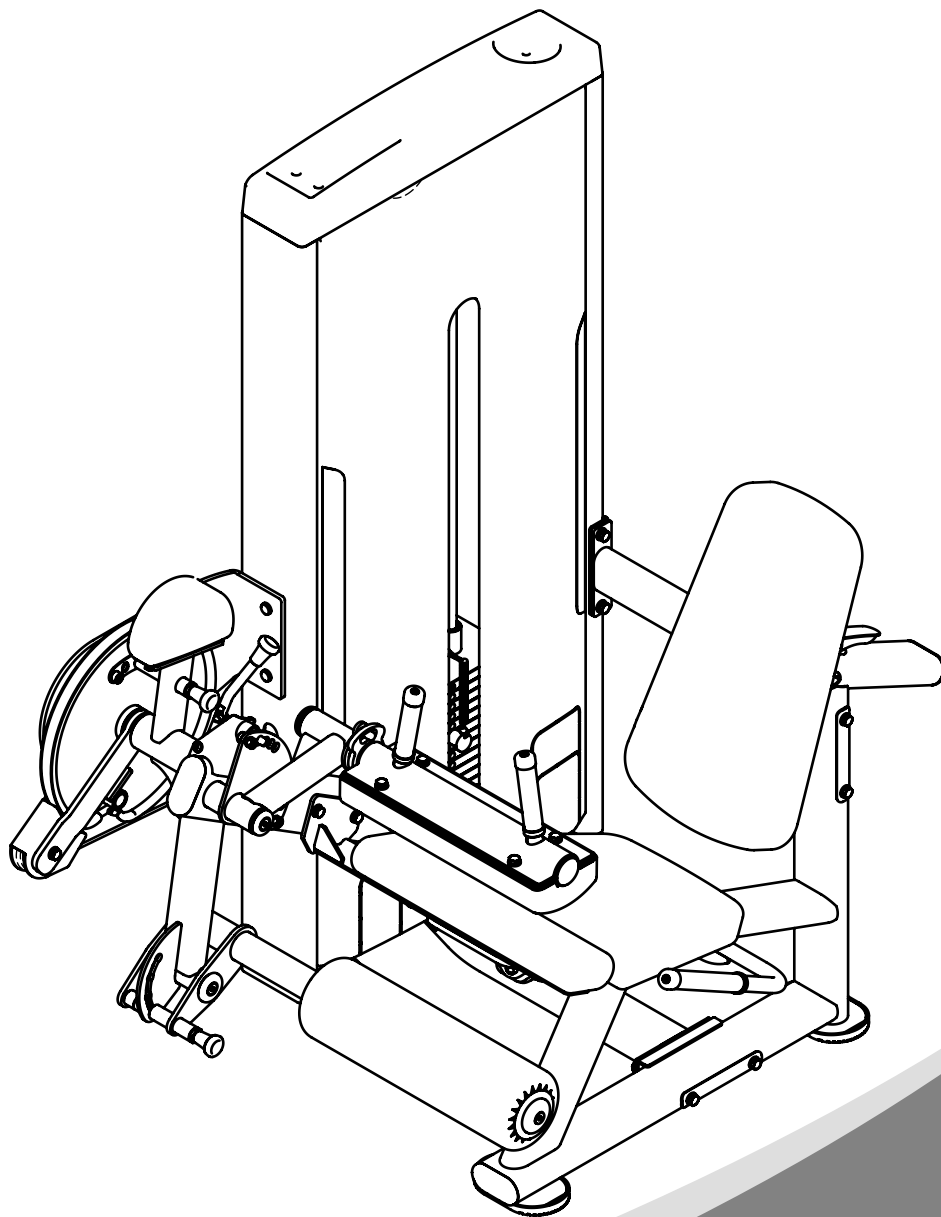


HUDSON STEEL

SA037

LEG CURL/EXTENSION

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:

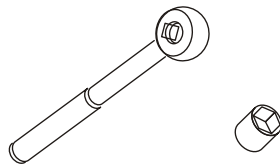
1. Read all instructions before using the equipment.
These instructions are written to ensure your safety and to protect the unit.
2. Use the equipment only for its intended purpose as described in this guide.
Do not use accessory attachments that are not recommended by the manufacturer: such attachments 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

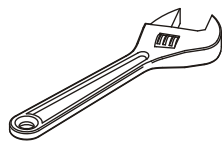
Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use part number and description from the lists. Use only our replacement part when servicing. Failure 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.

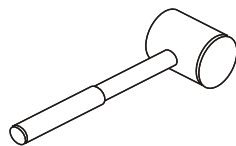
Tools Required



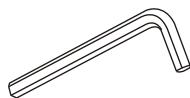
Ratchet Wrench and Socket



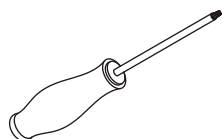
Adjustable Wrench



Rubber Mallet



Hex Key Wrench Set



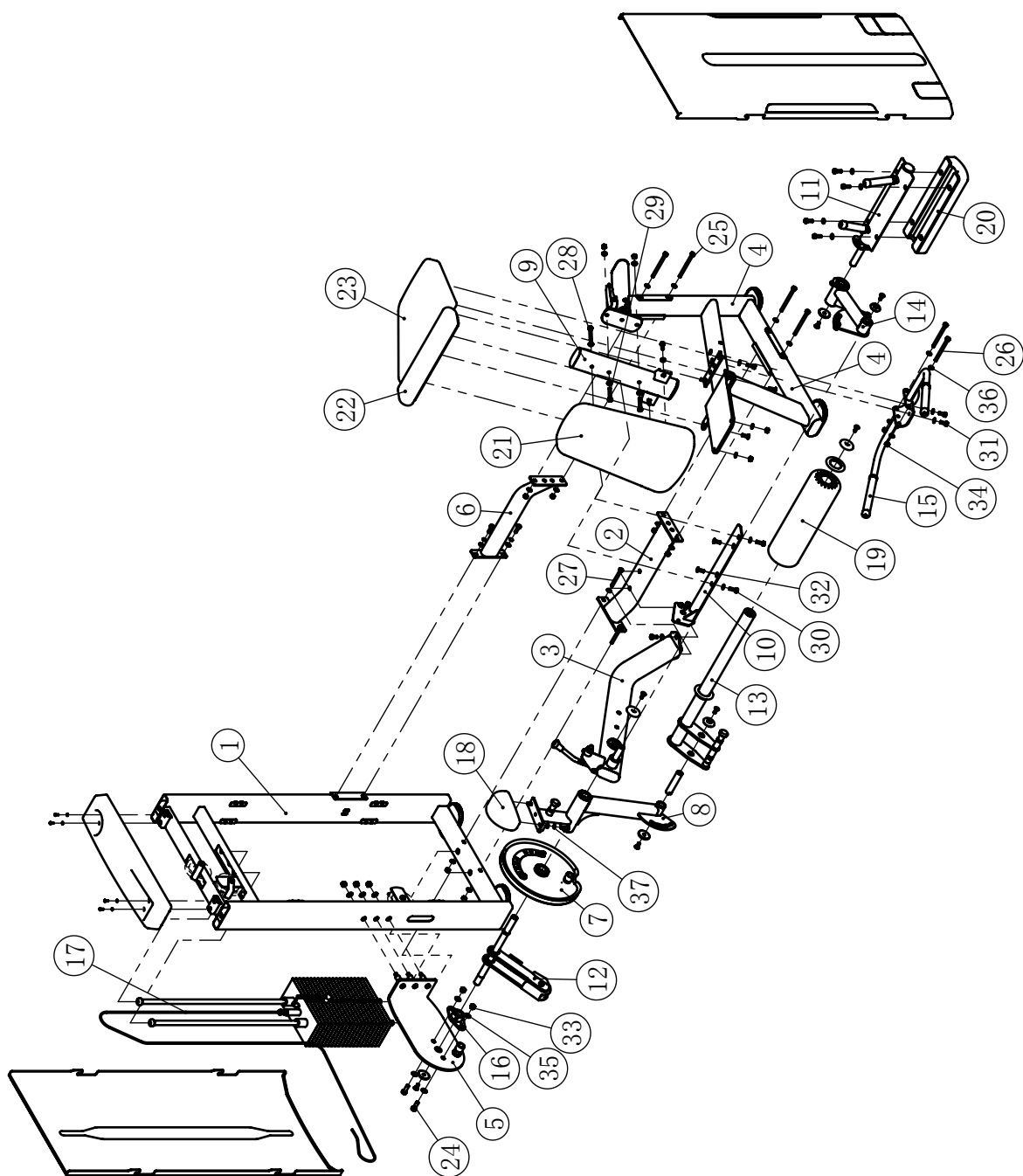
Phillips Screwdriver

Parts List

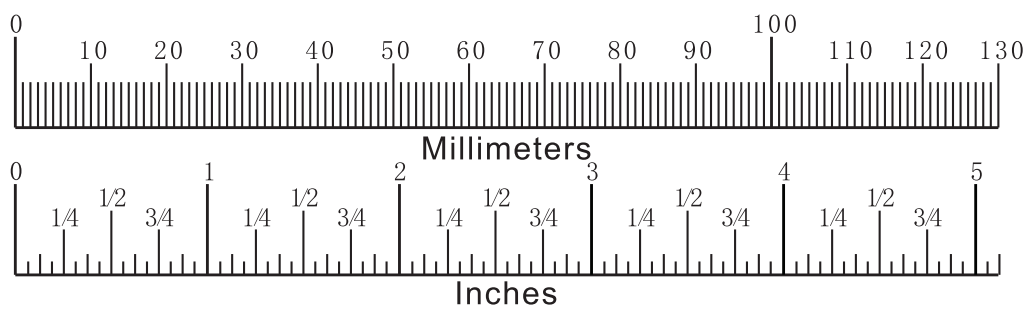
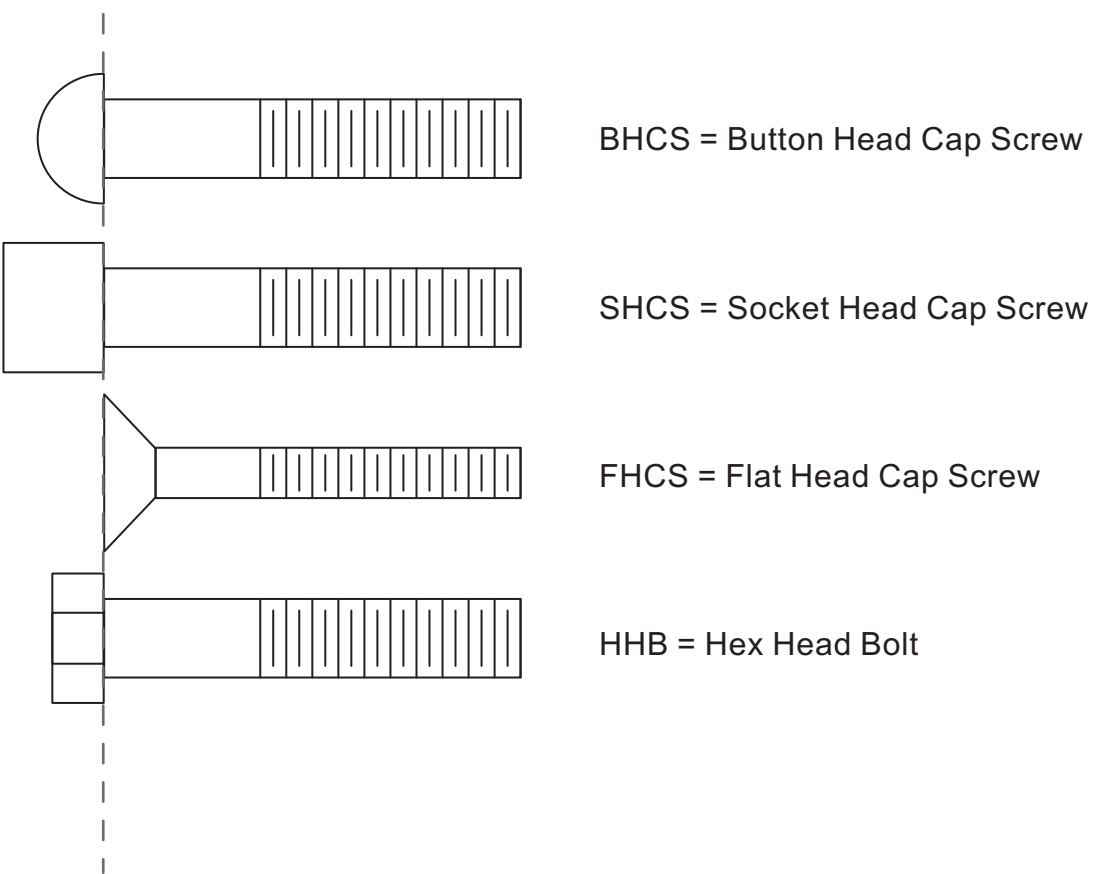
NOTE: SOME OF THESE PARTS MAY COME PRE-INSTALLED

Item No.	Description	Qty	Item No.	Description	Qty
1	Weight Stack Frame ASSY	1	20	Press Pad	1
2	Ground Connection Frame	1	21	Back Cushion	1
3	Shaft Support ASSY	1	22	Seat Pad	1
4	Seat Support ASSY	1	23	Abdominal Pad	1
5	Main Bracket ASSY	1	24	Hex Head Bolt M12*35 (25/64"*1.38")	2
6	Top Frame	1	25	Hex Head Bolt M10*130 (25/64"*5.12")	4
7	Adjustable Cam ASY	1	26	Hex Head Bolt M10*125 (25/64"*4.92")	2
8	Movement Arm ASSY	1	27	Hex Head Bolt M10*90 (25/64"*3.54")	2
9	Back Pad Support ASSY	1	28	Hex Head Bolt M10*75 (25/64"*2.95")	1
10	Oblique Connecting Frame	1	29	Hex Head Bolt M10*70 (25/64"*2.76")	2
11	Leg Holder ASSY	1	30	Hex Head Bolt M10*30 (25/64"*1.18")	14
12	Cam Support Tube ASSY	1	31	Hex Head Bolt M10*25 (25/64"*0.98")	6
13	Swing Tube ASSY	1	32	Button Head Cap Screw M10*30 (25/64"*1.18")	4
14	Leg Pressing Adjusting Frame ASSY	1	33	Nylon Lock Nut M12 (25/64")	5
15	Handle ASSY	1	34	Nylon lock Nut M10 (25/64")	12
16	Flange ASSY	1	35	Flat Washer $\phi 13 \times \phi 24 \times 1.5$ ($\phi 33/64" \times \phi 15/16" \times 0.06$)	7
17	Cable ASSY	1	36	Flat Washer $\phi 11 \times \phi 20 \times 2$ ($\phi 7/16" \times \phi 25/32" \times 0.08$)	43
18	Counter Poise Block	1	37	Spring Washer $\phi 10$ ($\phi 25/64"$)	4
19	Leatherwear Foam	1			

Exploded View



Measurement Guide



Assembly Instructions

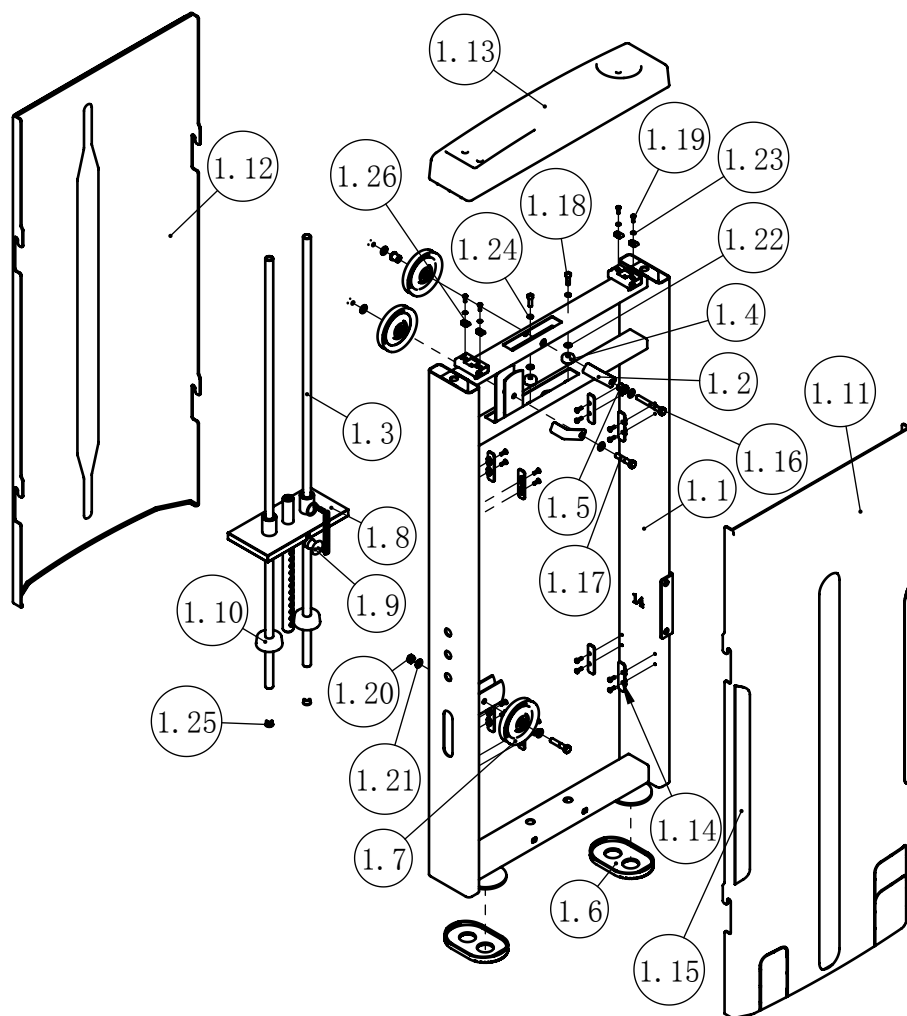
Assembly of the equipment takes professional installers about 2 hours. If this is the first time you have assembled this type of equipment, plan to spend more time. It is strongly recommended to assemble the equipment by professional installers. You may find it quicker, safer, easier to assemble this 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.

Exploded View and Parts List

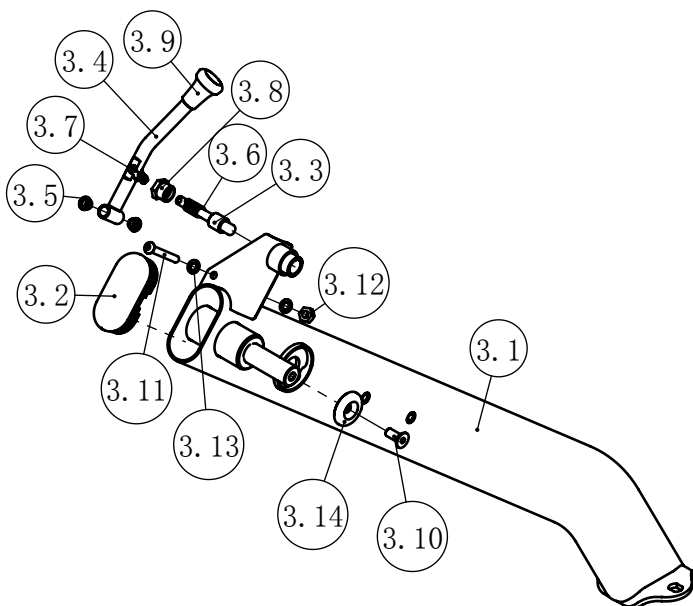
Weight Stack Frame ASSY



Item No.	Description	Qty	Item No.	Description	Qty
1.1	Weight Stack Frame	1	1.14	Shield Fixed Seat	8
1.2	Baffle 74×45×25×3	2	1.15	Shroud Sticker	4
1.3	Guide Rod	2	1.16	Hex Head Bolt M10×80 (25/64"×3.15")	1
1.4	Mount Sleeve φ29×φ8.5×12	2	1.17	Hex Head Bolt M10×50 (25/64"×1.97")	2
1.5	Sleeve φ20×φ16×19.3	2	1.18	Socket Head Cap Screw M8×25 (5/16"×0.98")	2
1.6	Rubber Foot	2	1.19	Button Head Cap Screw M5×15 (13/64"×0.98")	20
1.7	4.5" Pulley	3	1.20	Nylon lock Nut M10 (25/64")	3
1.8	Top Plate	1	1.21	Flat Washer φ11×φ20×4 (7/16"×φ25/32"×0.16)	5
1.9	Selector Pin W/Coil	1	1.22	Flat Washer φ9×φ16×1.6 (23/64"×φ5/8"×0.06)	2
1.10	Rubber Mat φ63.5×φ19×25.4	2	1.23	Flat Washer φ10×φ5.3×1 (φ25/64"×φ13/64"×0.04)	4
1.11	Inner Shroud	1	1.24	Spring Washer φ8 (φ5/16")	2
1.12	Outer Shroud	1	1.25	Rubber Plug φ18.5×φ15×7	2
1.13	Upper Shroud	1	1.26	Quick Nut 13.68×21×M5 (17/32"×53/64"×13/64)	4

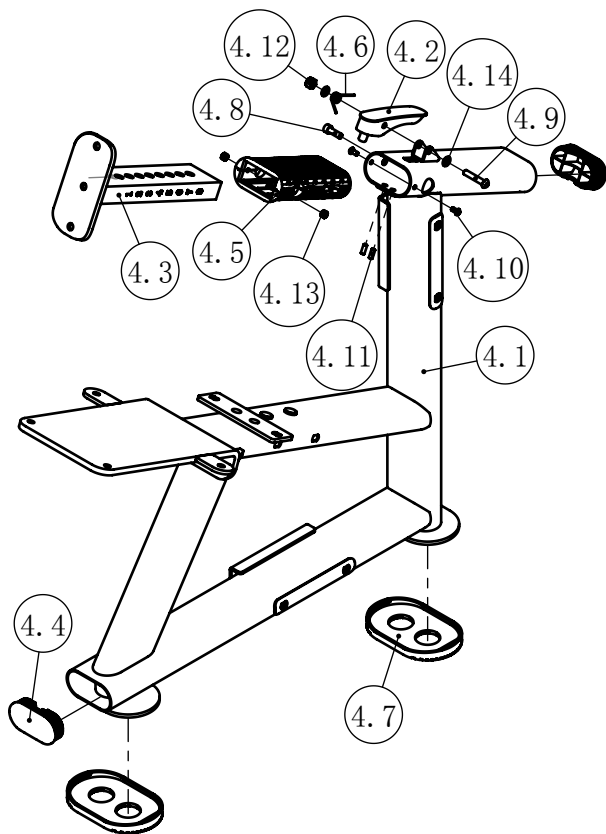
Exploded View and Parts List

Shaft Support ASSY



Item No.	Description	Qty
3.1	Shaft Support	1
3.2	Plug PT50×100	1
3.3	Shaft $\phi 12.7 \times 90$	1
3.4	Handle Frame	1
3.5	Bushing $\phi 16 \times \phi 8 \times 8$	2
3.6	Spring	1
3.7	Chain	1
3.8	Hex Nut M20 ($\phi 25/32''$)	1
3.9	Handle Ball	1
3.10	Flat Head Cap Screw M10×25 ($25/64'' \times 0.98''$)	1
3.11	Button Head Cap Screw M8×60 ($5/16'' \times 2.36''$)	1
3.12	Nylon Lock Nut M8 ($\phi 5/16''$)	1
3.13	Flat Washer $\phi 9 \times \phi 16 \times 1.6$ ($\phi 23/64'' \times \phi 5/8'' \times 0.06$)	2
3.14	End Cap $\phi 43 \times \phi 10.5 \times 8$ ($27/16'' \times 13/32'' \times 0.31$)	1

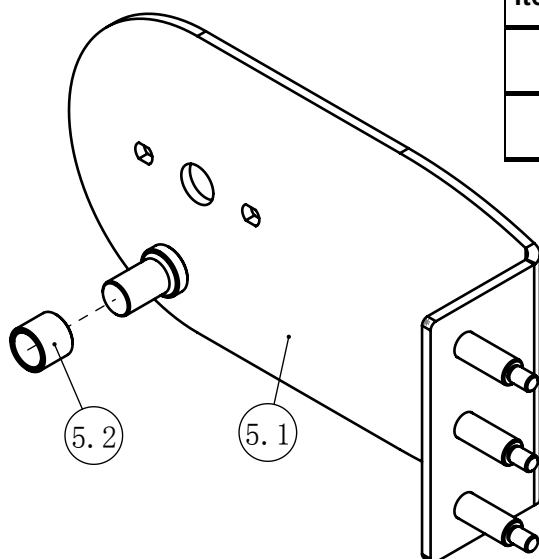
Seat Support ASSY



Item No.	Description	Qty
4.1	Seat Support	1
4.2	Adjustable Support	1
4.3	Adjustable Tube	1
4.4	Plug PT50*100	2
4.5	Plastic Tube Guide	2
4.6	Torsion Spring	1
4.7	Rubber Foot	2
4.8	Socket Head Cap Screw M8×25 ($5/16'' \times 0.98''$)	1
4.9	Button Head Cap Screw M8×45 ($5/16'' \times 1.77''$)	1
4.10	Button Head Cap Screw M6×12 ($15/64'' \times 0.47''$)	2
4.11	Nylon Lock Nut M8 ($\phi 5/16''$)	1
4.12	Hex Thin Nut M6 ($15/64''$)	2
4.13	Flat Washer $\phi 9 \times \phi 16 \times 1.6$ ($\phi 23/64'' \times \phi 5/8'' \times 0.06$)	2

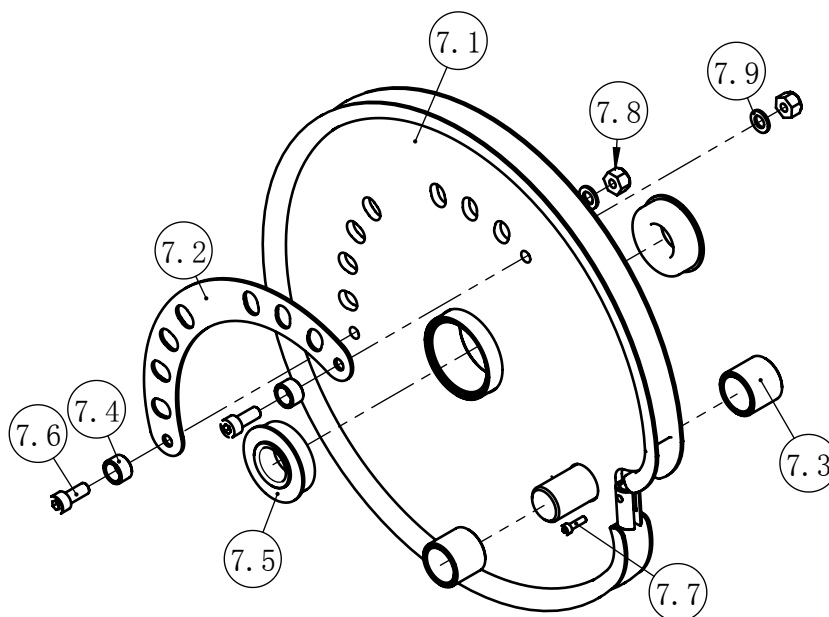
Exploded View and Parts List

Main Bracket ASSY



Item No.	Description	Qty
5.1	Main Bracket	1
5.2	Spacer $\phi 32 \times \phi 25.4 \times 28$	1

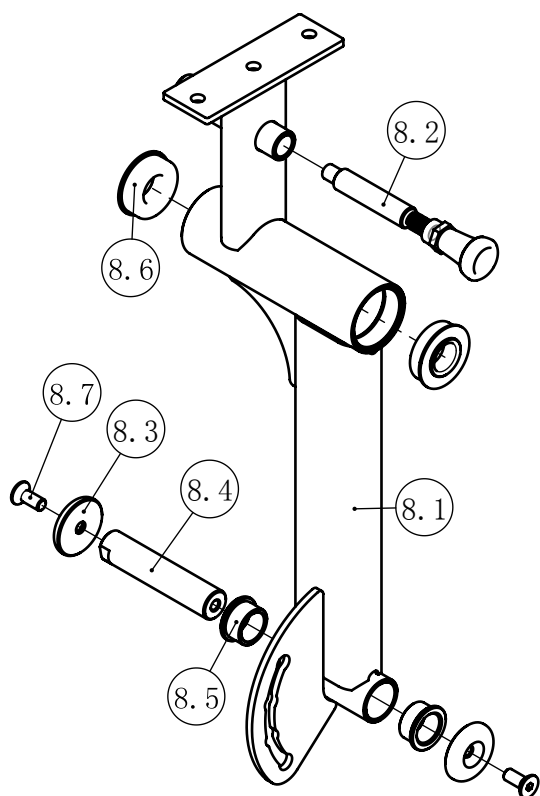
Adjustable Cam ASSY



Item No.	Description	Qty	Item No.	Description	Qty
7.1	Adjustable Cam	1	7.6	Socket Head Cap Screw M8×20 (5/16"×0.79")	2
7.2	Adjustable Plate	1	7.7	Socket Head Cap Screw M4×15 (5/32"×0.59")	1
7.3	Spacer $\phi 32 \times \phi 25.4 \times 28$	2	7.8	Nylon Lock Nut M8 ($\phi 5/16$ ")	2
7.4	Spacer $\phi 17 \times 10.5$	2	7.9	Flat Washer $\phi 9 \times \phi 16 \times 1.6$ ($\phi 23/64 \times \phi 5/8 \times 0.06$)	2
7.5	Flange Bearing 1"	2			

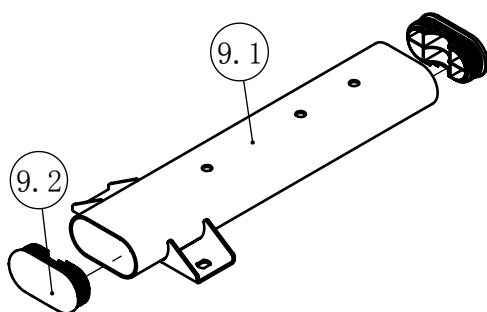
Exploded View and Parts List

Movement Arm ASSY



Item No.	Description	Qty
8.1	Movement Arm	1
8.2	Elastic Latch ASSY	1
8.3	End Cap $\phi 50 \times 8$	2
8.4	Pivot $\phi 25.4 \times 117 \times M10$	1
8.5	Bronze Bearing $\phi 38 \times \phi 25.4 \times 18$	2
8.6	Flange Bearing 1"	2
8.7	Button Head Cap Screw M10×25 (25/64"×0.98")	2

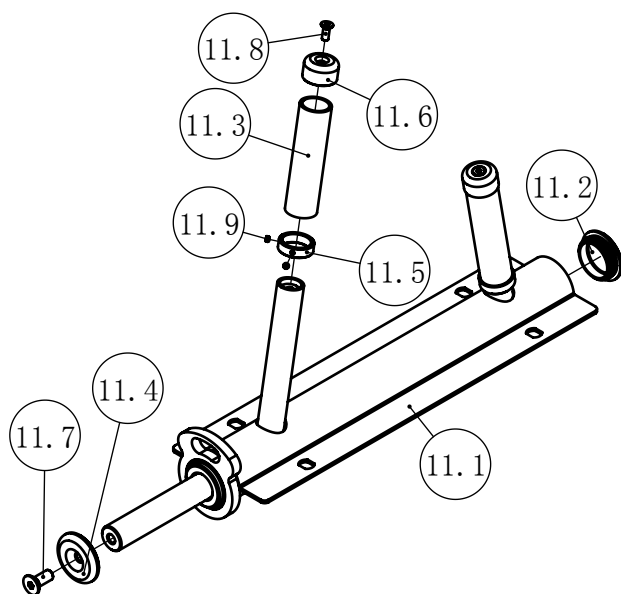
Back Pad Support ASSY



Item No.	Description	Qty
9.1	Back Pad Support	1
9.2	Plug PT50×100	2

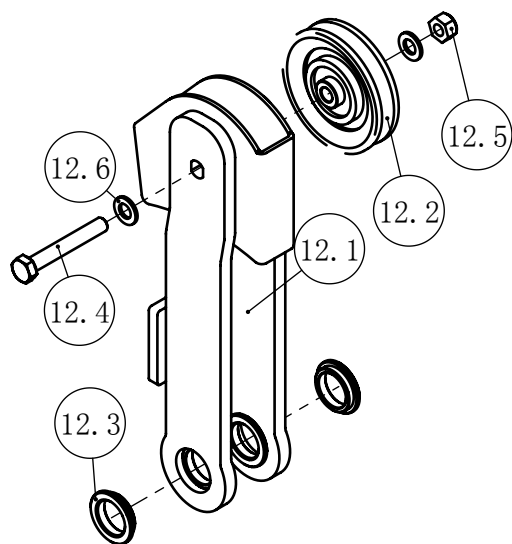
Exploded View and Parts List

Leg Holder ASSY



Item No.	Description	Qty
11.1	Leg Holder	1
11.2	Plug $\phi 50$	1
11.3	Grip $\phi 30 \times \phi 22 \times 120$	2
11.4	End Cap $\phi 50 \times 8$	1
11.5	Aluminum Ring $\phi 25$	2
11.6	Aluminum Cap $\phi 25$	2
11.7	Button Head Cap Screw M10 $\times$ 25 (25/64" $\times$ 0.98")	1
11.8	Button Head Cap Screw M6 $\times$ 16 (15/64" $\times$ 0.63")	2
11.9	Socket Set Screw M5 $\times$ 3 (13/64" $\times$ 0.12")	4

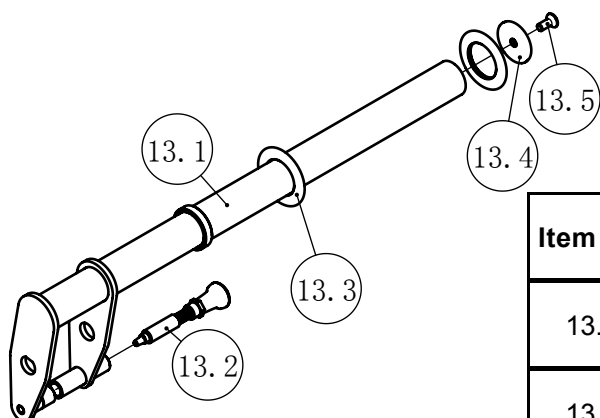
Cam Support Tube ASSY



Item No.	Description	Qty
12.1	Cam Support Tube	1
12.2	3.5" Pulley	1
12.3	Bronze Bearing $\phi 38 \times \phi 25.4 \times 7.5$	4
12.4	Hex Head Bolt M10 $\times$ 70 (25/64" $\times$ 2.76")	1
12.5	Nylon Lock Nut M10 ($\phi 25/64$ ")	1
12.6	Flat Washer $\phi 11 \times \phi 20 \times 4$ ($\phi 7/16$ " $\times$ $\phi 25/32$ " $\times$ 0.16)	2

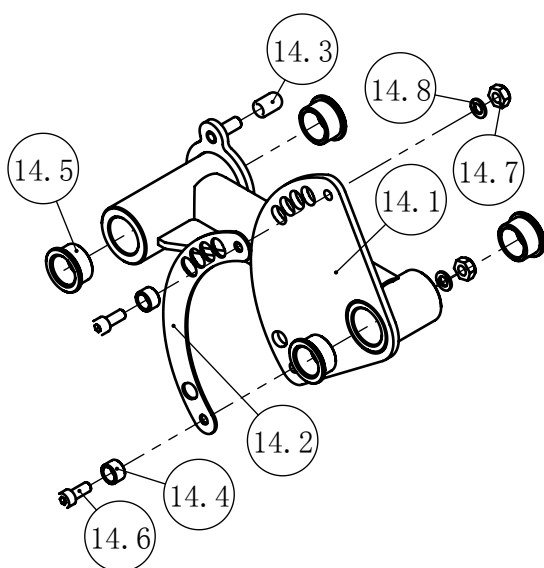
Exploded View and Parts List

Swing Tube ASSY



Item No.	Description	Qty
13.1	Swing Tube	1
13.2	Elastic Latch ASSY	1
13.3	Aluminum Ring $\phi 50$	2
13.4	End Cap $\phi 60 \times \phi 10.5 \times 10.9$	1
13.5	Button Head Cap Screw M10 $\times$ 25 (25/64" $\times$ 0.98")	1

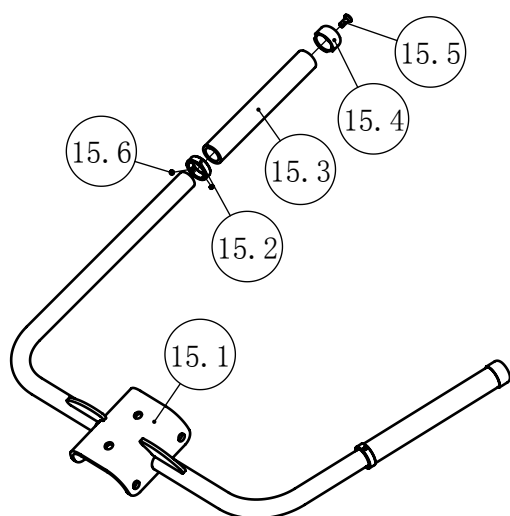
Leg Pressing Adjusting Frame ASSY



Item No.	Description	Qty
14.1	Leg Pressing Adjusting Frame	1
14.2	Adjustable Plate	1
14.3	Smart Cover	1
14.4	Spacer $\phi 17 \times 10.5$	2
14.5	Bronze Bearing $\phi 38 \times \phi 25.4 \times 18$	4
14.6	Socket Head Cap Screw M8 $\times$ 20 (5/16" $\times$ 0.79")	2
14.7	Nylon Lock Nut M8 ($\phi 5/16$ ")	2
14.8	Flat Washer $\phi 9 \times \phi 16 \times 1.6$ ($\phi 23/64$ " $\times$ $\phi 5/8$ " $\times$ 0.06)	2

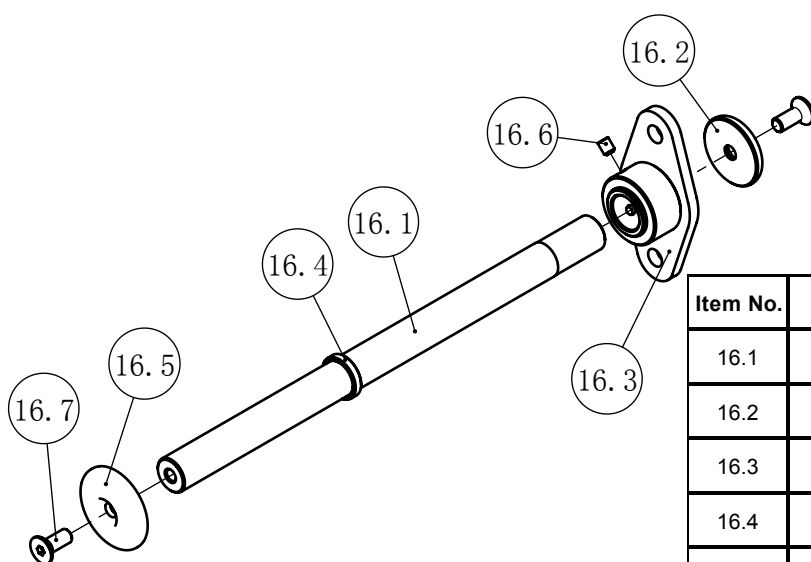
Exploded View and Parts List

Handle ASSY



Item No.	Description	Qty
15.1	Handle	1
15.2	Aluminum Ring $\phi 25$	2
15.3	Grip $\phi 30 \times \phi 22 \times 205$	2
15.4	Aluminum Cap $\phi 25$	2
15.5	Button Head Cap Screw M6 $\times$ 16 (15/64" $\times$ 0.63")	2
15.6	Socket Set Screw M5 $\times$ 3 (13/64" $\times$ 0.12")	4

Flange ASSY

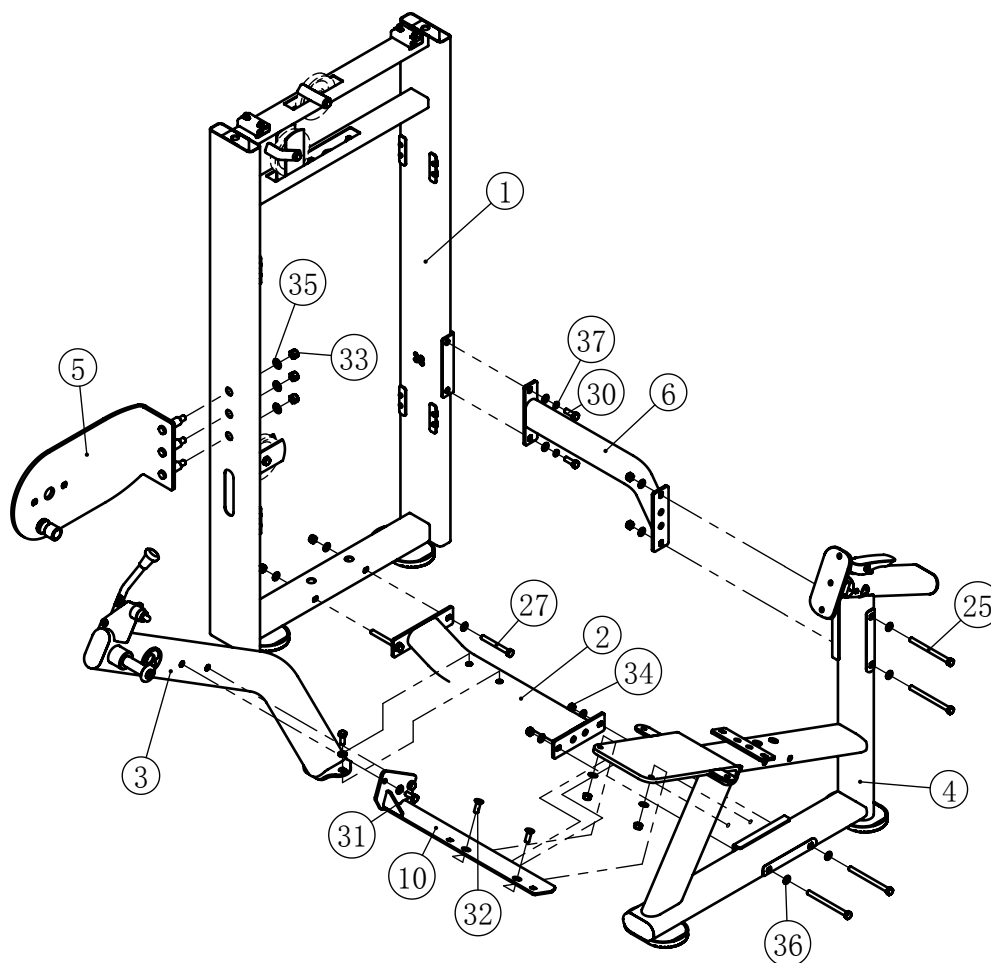


Item No.	Description	Qty
16.1	Pivot $\phi 25.4 \times 395$	1
16.2	End Cap $\phi 50 \times 8$	1
16.3	Flange	1
16.4	Retaining Ring $\phi 31 \times \phi 25.4 \times 6$	1
16.5	Aluminum End Cap $\phi 60 \times \phi 10.5 \times 10.9$	1
16.6	Socket Set Screw M8 $\times$ 10 (5/16" $\times$ 0.39")	2
16.7	Button Head Cap Screw M10 $\times$ 25 (25/64" $\times$ 0.98")	2

Assembly

STEP 1

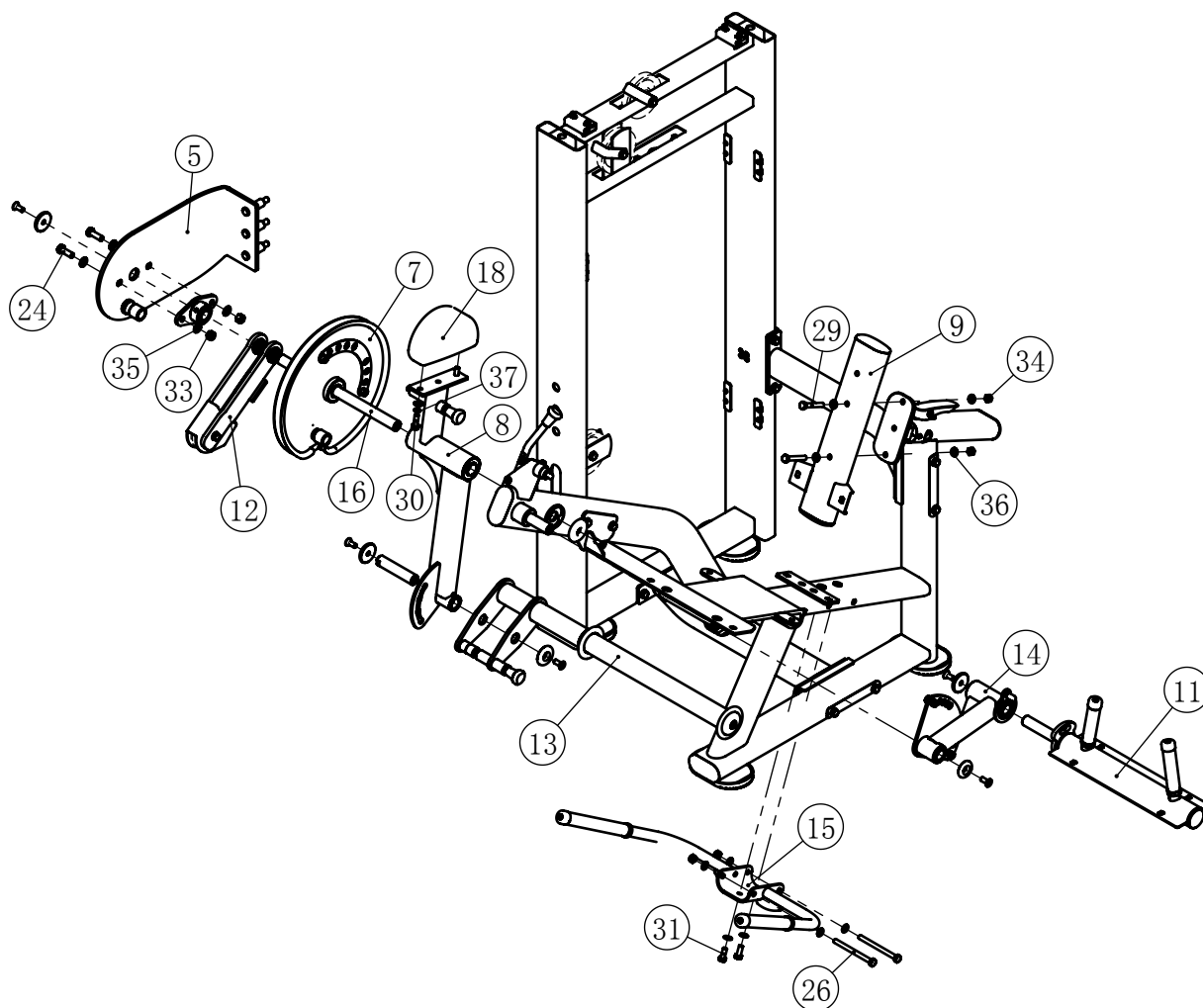
Item No.	Description	Qty	Item No.	Description	Qty
1	Weight Stack Frame ASSY	1	30	Hex Head Bolt M10×30 (25/64"×1.18")	2
2	Ground Connection Frame	1	31	Hex Head Bolt M10×25 (25/64"×0.98")	4
3	Shaft Support ASSY	1	32	Button Head Cap Screw M10×30 (25/64"×1.18")	2
4	Seat Support ASSY	1	33	Nylon Lock Nut M12 (25/64")	3
5	Main Bracket ASSY	1	34	Nylon lock Nut M10 (25/64")	8
6	Top Frame	1	35	Flat Washer $\phi 13 \times \phi 24 \times 1.5$ ($\phi 33/64'' \times \phi 15/16'' \times 0.06$)	3
10	Oblique Connecting Frame	1	36	Flat Washer $\phi 11 \times \phi 20 \times 2$ ($\phi 7/16'' \times \phi 25/32'' \times 0.08$)	20
25	Hex Head Bolt M10×130 (25/64"×5.12")	4	37	Spring Washer $\phi 10$ ($\phi 25/64''$)	2
27	Hex Head Bolt M10×90 (25/64"×3.54")	2			



Assembly

STEP 2

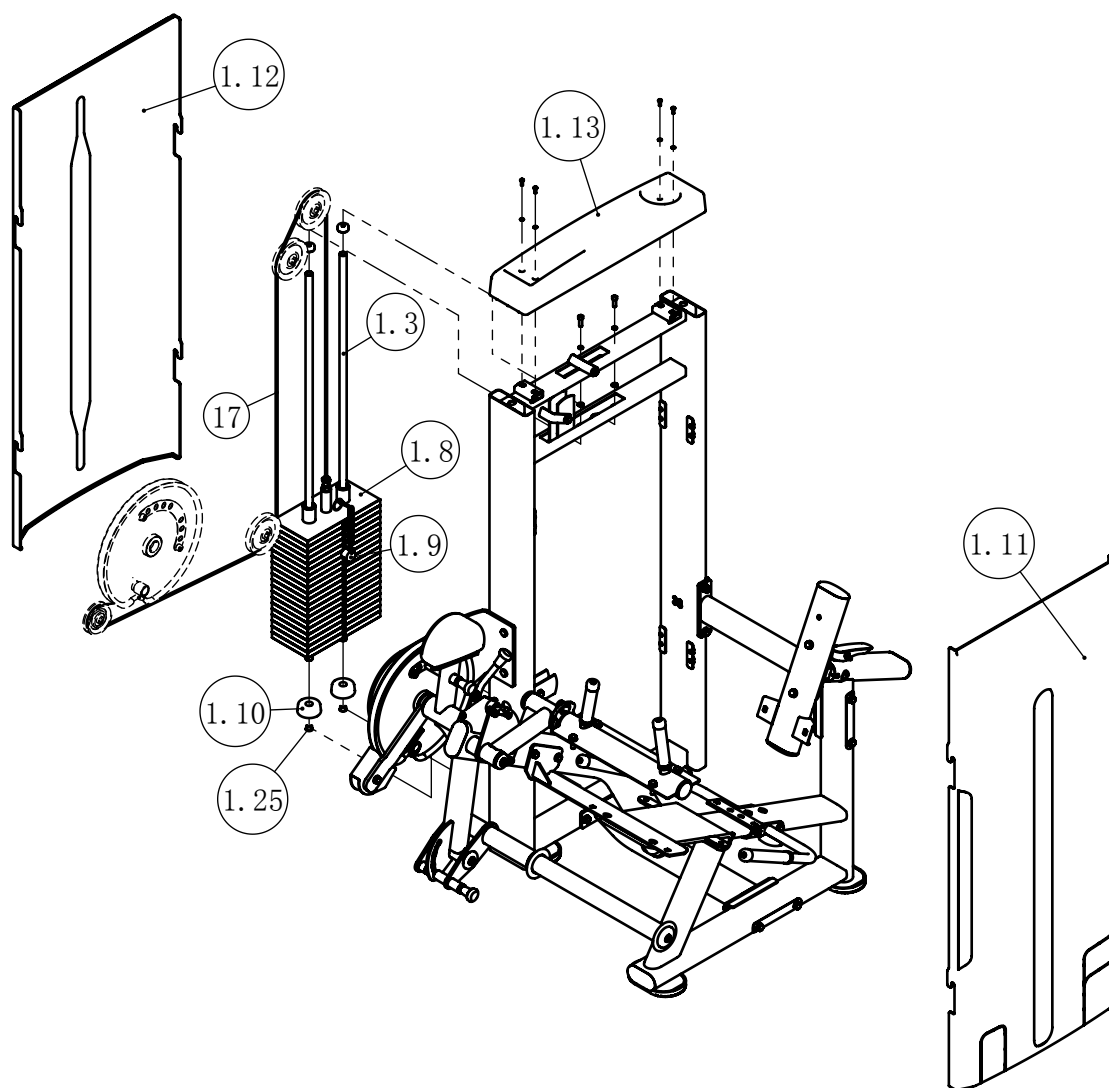
Item No.	Description	Qty	Item No.	Description	Qty
5	Main Bracket ASSY	1	24	Hex Head Bolt M12*35 (25/64"*1.38")	2
7	Adjustable Cam ASY	1	26	Hex Head Bolt M10*125 (25/64"*4.92")	2
8	Movement Arm ASSY	1	29	Hex Head Bolt M10*70 (25/64"*2.76")	2
9	Back Pad Support ASSY	1	30	Hex Head Bolt M10*30 (25/64"*1.18")	2
11	Leg Holder ASSY	1	31	Hex Head Bolt M10*25 (25/64"*0.98")	2
12	Cam Support Tube ASSY	1	33	Nylon Lock Nut M12 (25/64")	2
13	Swing Tube ASSY	1	34	Nylon lock Nut M10 (25/64")	4
14	Leg Pressing Adjusting Frame ASSY	1	35	Flat Washer $\phi 13 \times \phi 24 \times 1.5$ ($\phi 33/64 \times \phi 15/16 \times 0.06$)	4
15	Handle ASSY	1	36	Flat Washer $\phi 11 \times \phi 20 \times 2$ ($\phi 7/16 \times \phi 25/32 \times 0.08$)	12
16	Flange ASSY	1	37	Spring Washer $\phi 10$ ($\phi 25/64$ ")	2
18	Counter Poise Block	1			



Assembly

STEP 3

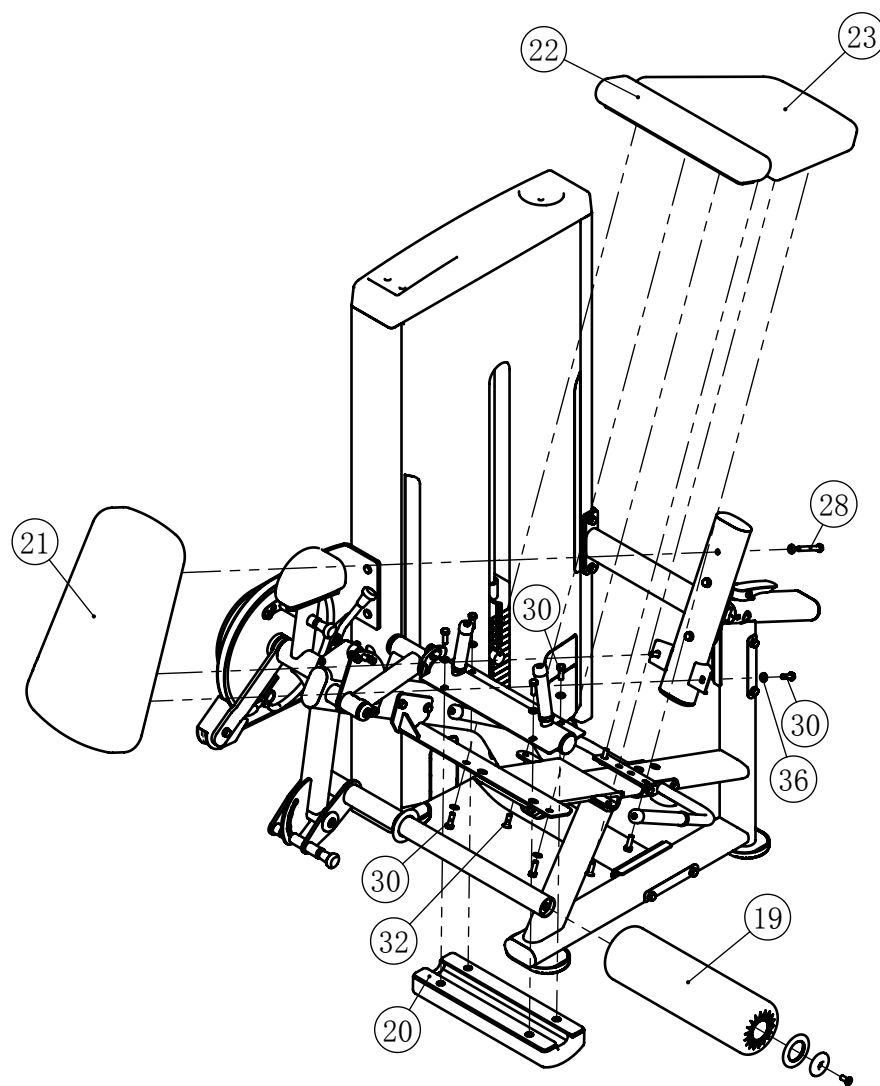
Item No.	Description	Qty	Item No.	Description	Qty
1.3	Guide Rod	2	1.12	Outer Shroud	1
1.8	Top Plate	1	1.13	Upper Shroud	1
1.9	Selector Pin W/Coil	1	1.25	Rubber Plug $\phi 18.5 \times \phi 15 \times 7$	2
1.10	Rubber Mat $\phi 63.5 \times \phi 19 \times 25.4$	2	17	Cable ASSY	1
1.11	Inner Shroud	1			



Assembly

STEP 4

Item No.	Description	Qty	Item No.	Description	Qty
19	Leatherwear Foam	1	28	Hex Head Bolt M10×75 (25/64"×2.95")	1
20	Press Pad	1	30	Hex Head Bolt M10×30 (25/64"×1.18")	10
21	Back Cushion	1	32	Button Head Cap Screw M10×30 (25/64"×1.18")	2
22	Seat Pad	1	36	Flat Washer $\phi 11 \times \phi 20 \times 2$ ($\phi 7/16'' \times \phi 25/32'' \times 0.08$)	11
23	Abdominal Pad	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.

