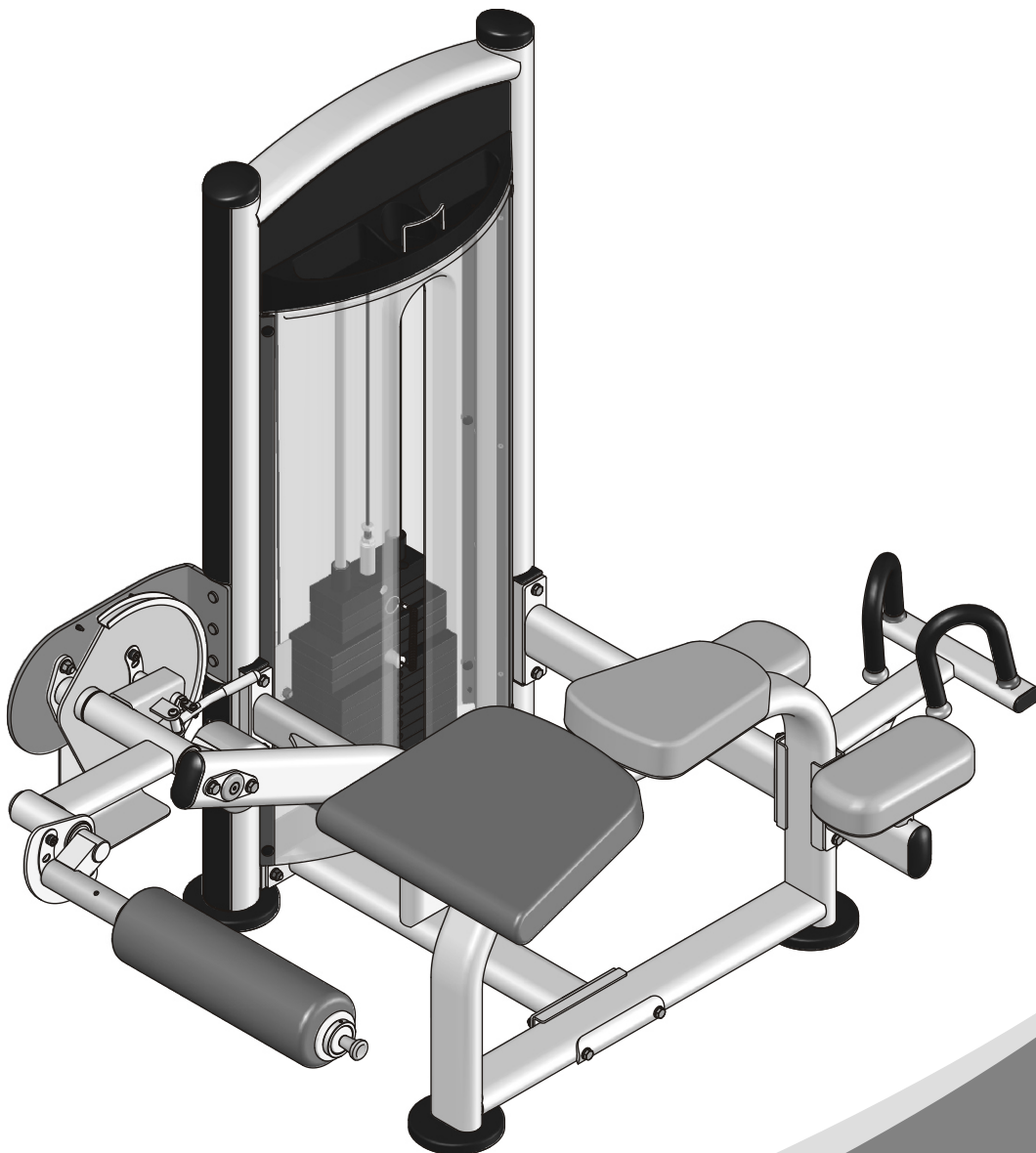


IT9321

V BENCH LEG CURL

OWNER'S MANUAL



! CAUTION

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

16J Rev G

! CAUTION

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

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Please assemble according to the actual **Weights and Shroud** you buy !

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.

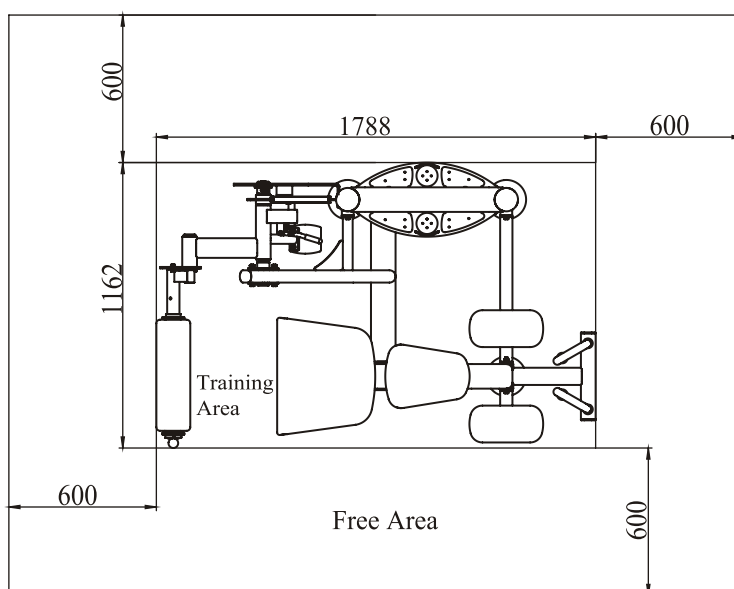
Important Safety Instructions

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.

Training Area and Free Area



Specifications

Class: S

Maximum Wt. Capacity: 91kg/ 200lbs

Maximum User Weight: 150kg/ 330lbs

Product Total Surface: 1788*1162mm

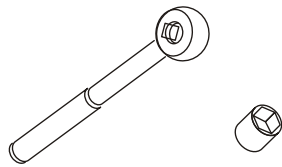
Product Total Mass (Short Shroud): 128.8kg/ 284lbs

Instructions

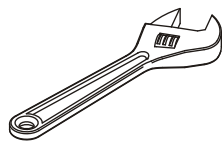
Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use part number and description from the lists. Use only our replacement part when servicing. Failure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

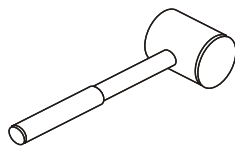
Tools Required



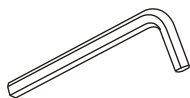
Ratchet Wrench and Socket



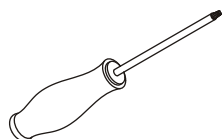
Adjustable Wrench



Rubber Mallet



Hex Key Wrench Set



Phillips Screwdriver

Parts List

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

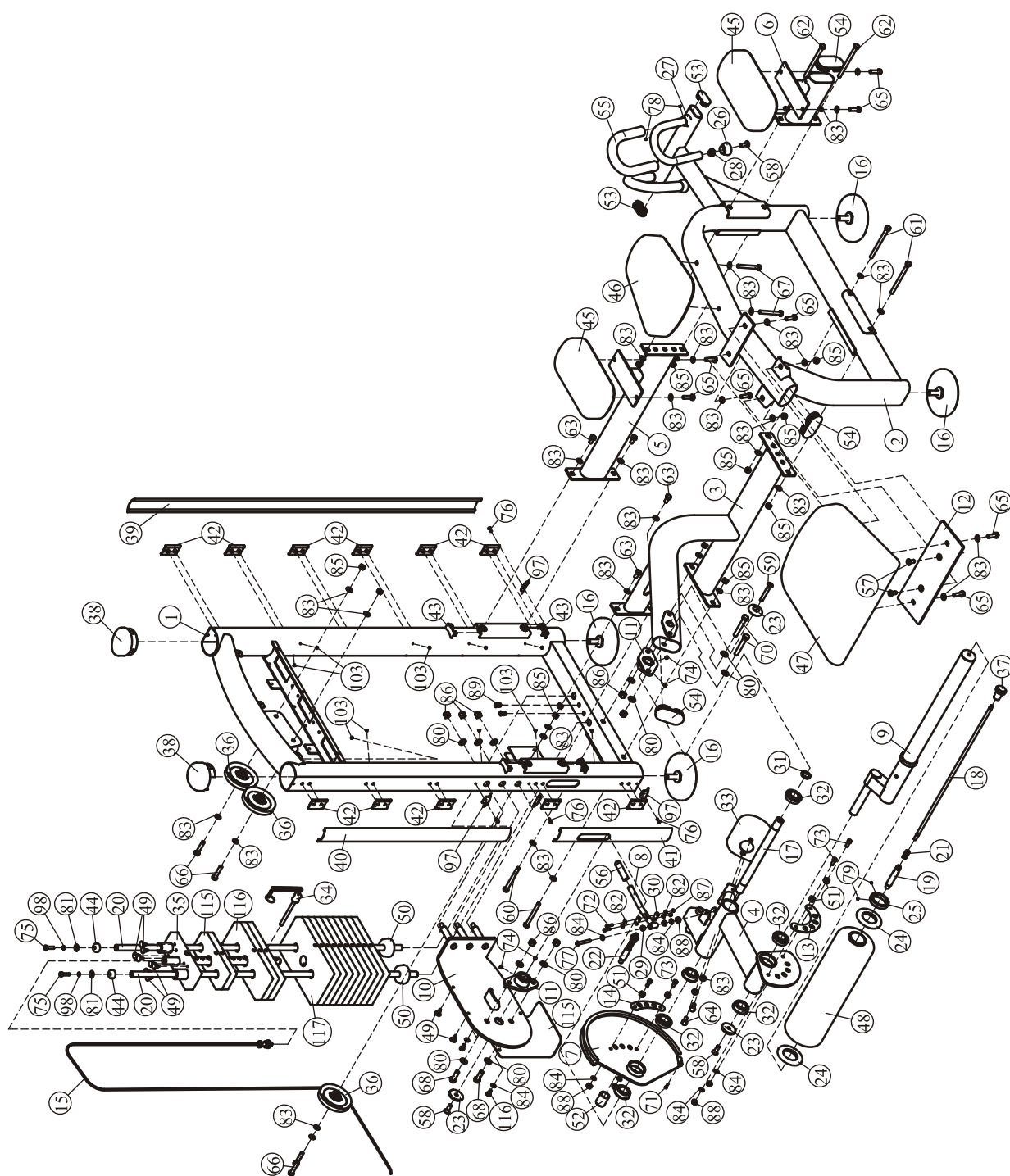
Item No.	Description	Qty	Item No.	Description	Qty
1	Weight Stack Frame	1	30	Connect Plate	2
2	Main Frame	1	31	Washer $\Phi 32 \times \Phi 26 \times 5$	1
3	Bottom Cross Brace	1	32	Bearing	6
4	Movement Arm	1	33	Rubber Counterweight	1
5	Left Cross Brace	1	34	Selector Pin W/Coil	1
6	Right Cross Brace	1	35	Top Plate	1
7	Adjustable Cam	1	36	4.5" Pulley	3
8	Adj. Handle	1	37	Ball	1
9	Swing Tube	1	38	Plug $\Phi 95.4 \times 61$	2
10	Main Bracket	1	39	Side Cover	1
11	Flange	2	40	Upper Side Cover	1
12	Seat Pad Plate	1	41	Lower Side Cover	1
13	Scaleboard R75*2	1	42	Plastic Block	11
14	Scaleboard R115*2	1	43	Plug	4
15	Cable	1	44	Rubber Plug $\Phi 29 \times \Phi 19 \times 10$	2
16	Adjustable Foot plate	4	45	Arm Pad	2
17	Main Shaft $\Phi 25 \times 335.4$	1	46	Seat Pad	1
18	Pin Pole $\Phi 10 \times 637$	1	47	Seat Pad	1
19	Pin $\Phi 17.7 \times 100$	1	48	Long Foam	1
20	Guide Rod	2	49	Button	21
21	Spring	1	50	Weight Rubber Bumper	2
22	Pin	1	51	Little Bumper $\Phi 17 \times 10.5$	4
23	Aluminum End Cap $\Phi 50 \times \Phi 10.5 \times 8$	3	52	Bumper $\Phi 32 \times \Phi 25.4 \times 40$	1
24	Big Collar $\Phi 90 \times \Phi 51.2 \times 8.5$	2	53	Plug RT30*60	2
25	Big Collar $\Phi 65.6 \times \Phi 51.2 \times 12.7$	1	54	Plug RT50*100	3
26	Aluminium Grip Cap	2	55	Grip	2
27	Aluminium Grip Ring	2	56	Yellow Grip	1
28	Nut	2	57	Flat Head Cap Screw M10*25	2
29	Bronze Bushing $\Phi 16 \times 8$	2	58	Flat Head Cap Screw M10*30	4

Parts List

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

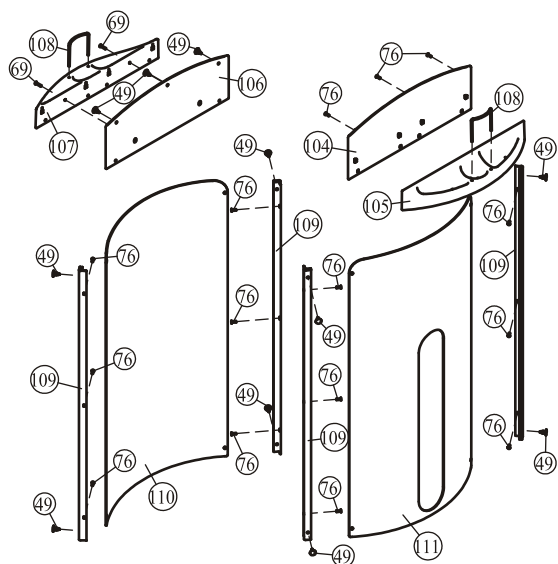
Item No.	Description	Qty	Item No.	Description	Qty
59	Flat Head Cap Screw M10*75	1	88	Nylon Lock Nut M8	5
60	Hex Head Bolt M10*100	2	89	Hex Nut M8	2
61	Hex Head Bolt M10*135	2	90	Hex Key s=3	1
62	Hex Head Bolt M10*140	2	91	Hex Key s=4	1
63	Hex Head Bolt M10*20	4	92	Hex Key s=5	1
64	Hex Head Bolt M10*25	2	93	Hex Key s=6	1
65	Hex Head Bolt M10*30	8	94	Hex Key s=3/32"	1
66	Hex Head Bolt M10*50	4	95	Wrench	1
67	Hex Head Bolt M10*80	2	96	Lube	1
68	Hex Head Bolt M12*35	2	97	L Bracket	4
69	Flat Philips Screw M5*25	2	98	Spring Washer Φ8	2
70	Hex Head Bolt M12*80	2	99	Self-Tapping Screw ST4.2*10	4
71	Socket Head Cap Screw M4*15	1	100	Connect Button Φ18*12	4
72	Socket Head Cap Screw M5*25	2	101	Plastic Cover Φ21*5.7	4
73	Socket Head Cap Screw M8*20	4	102	Plastic Washer Φ13*3	4
74	Socket Set Screw M8*8	4	103	Button Φ8.1*7	10
75	Hex Head Bolt M8*30	2	104	Top Front Shroud	1
76	Flat Philips Screw M5*16	19	105	Support	1
77	Button Head Cap Screw M8*60	1	106	Top Rear Shroud-A	1
78	Socket Set Screw 10-32*3.2	4	107	Rear Support	1
79	Socket Set Screw 10-32*6.4	2	108	Arc Bracket	1
80	Flat Washer Φ13*Φ24*1.5	11	109	Shroud Retainer Plate	4
81	Flat Washer Φ9*Φ22*1.6	2	110	Rear Shroud	1
82	Flat Washer Φ5.5*Φ12*1	4	111	Front Shroud	1
83	Flat Washer Φ11*Φ20*2	38	112	Top Rear Shroud	1
84	Flat Washer Φ9*Φ16*1.6	8	113	Short Shroud Retainer Plate	2
85	Nylon Lock Nut M10	12	114	Shroud	1
86	Nylon Lock Nut M12	7	115	Baffle Plate	1
87	Nylon Lock Nut M5	2	116	Hex Head Bolt M8*15	2

Exploded View

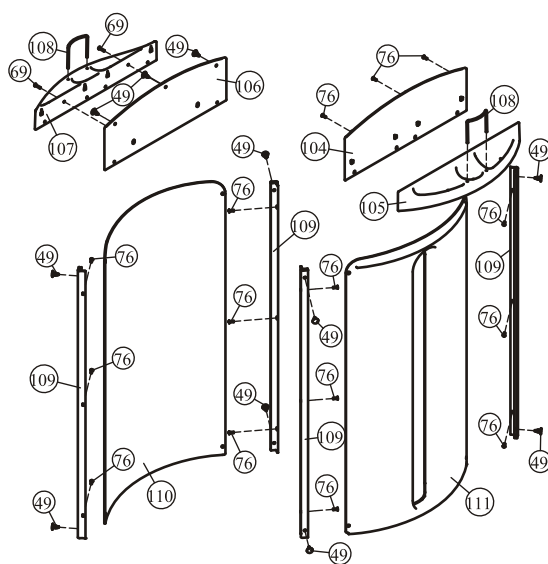


Exploded View

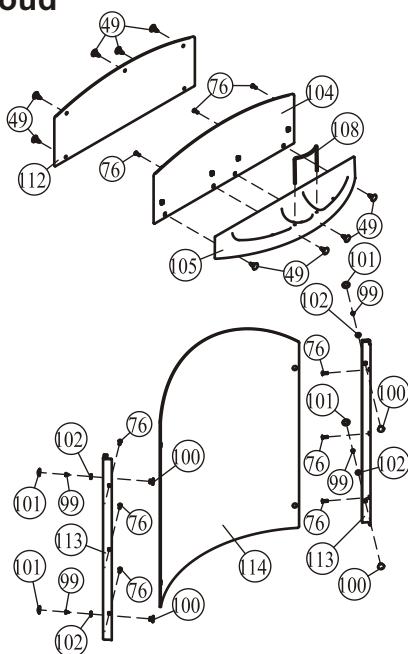
Flat Shroud



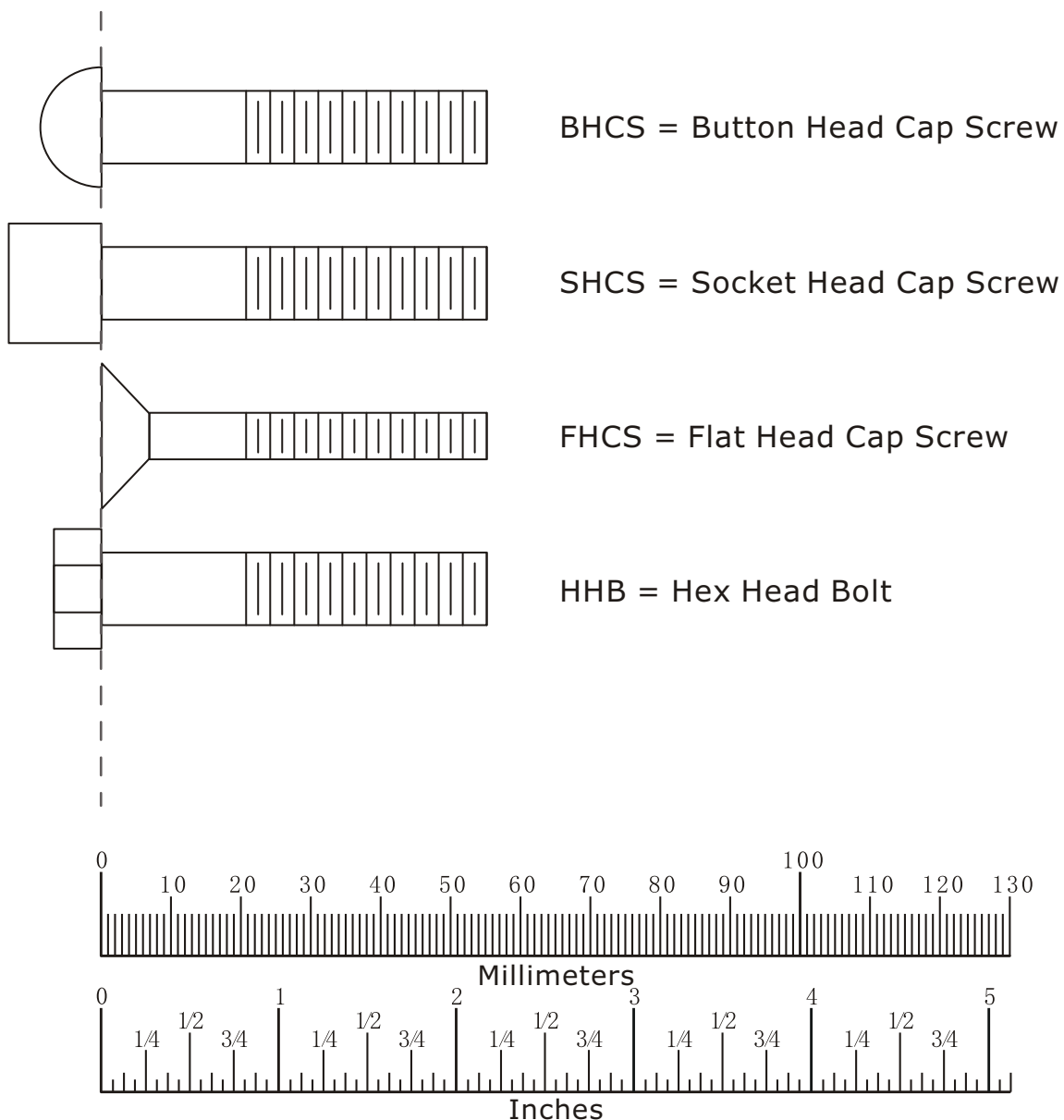
Molding Shroud



Short Shroud



Measurement Guide



Diameter of bolt (mm/inch)	M6(1/4")	M8(5/16")	M10(3/8")	M12(1/2")	M16(5/8")
Tightening torque (N.m)	9~12	22~30	45~59	78~104	193~257
Operational methods for adult men	The strength of the wrist	The strength of the wrist and forearm	The strength of the entire arm	The strength of the arm and upper body	with all strength

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.

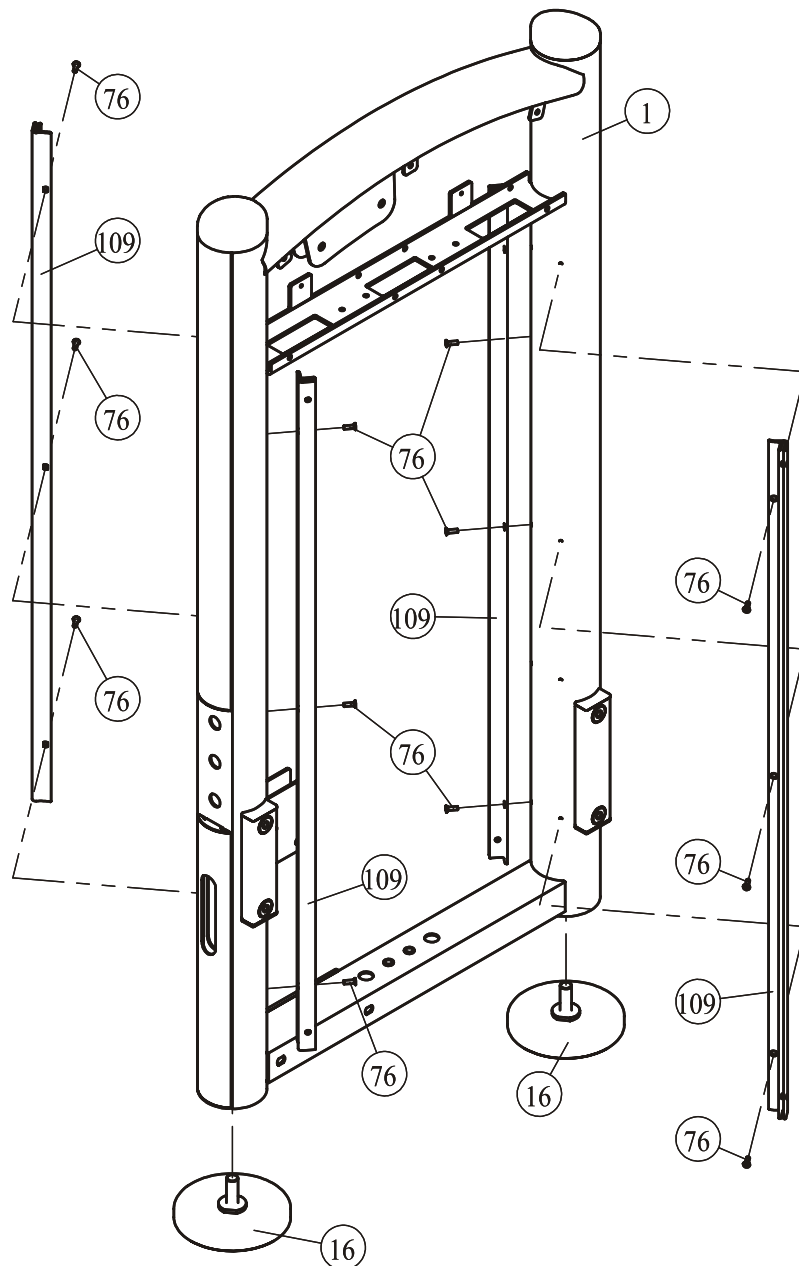
Assembly

STEP 1

1. Attach two Adjustable Foot plates (#16) to the Weight Stack Frame (#1).
2. Attach four Shroud Retainer Plates (#109) to the Weight Stack Frame (#1) using:
twelve M5*16 Flat Philips Screws (#76)

Note: Wrench Tighten Screws.

Here is the assembly instruction for **Flat Shroud and Molding Shroud** !



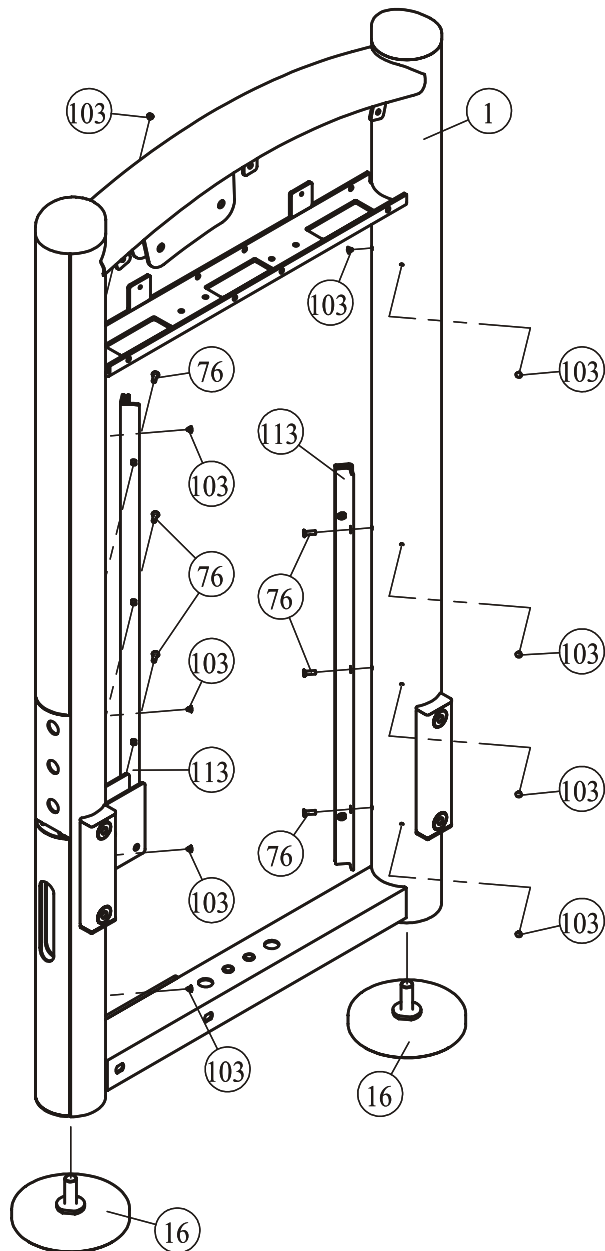
Assembly

STEP 1

1. Attach two Adjustable Foot plates (#16) to the Weight Stack Frame (#1).
2. Attach two Short Shroud Retainer Plates (#113) to the Weight Stack Frame (#1) using:
six M5*16 Flat Philips Screws (#76)
3. Attach ten Buttons (#103) to the Weight Stack Frame (#1).

Note: Wrench Tighten Screws.

Here is the assembly instruction for **Short Shroud** !

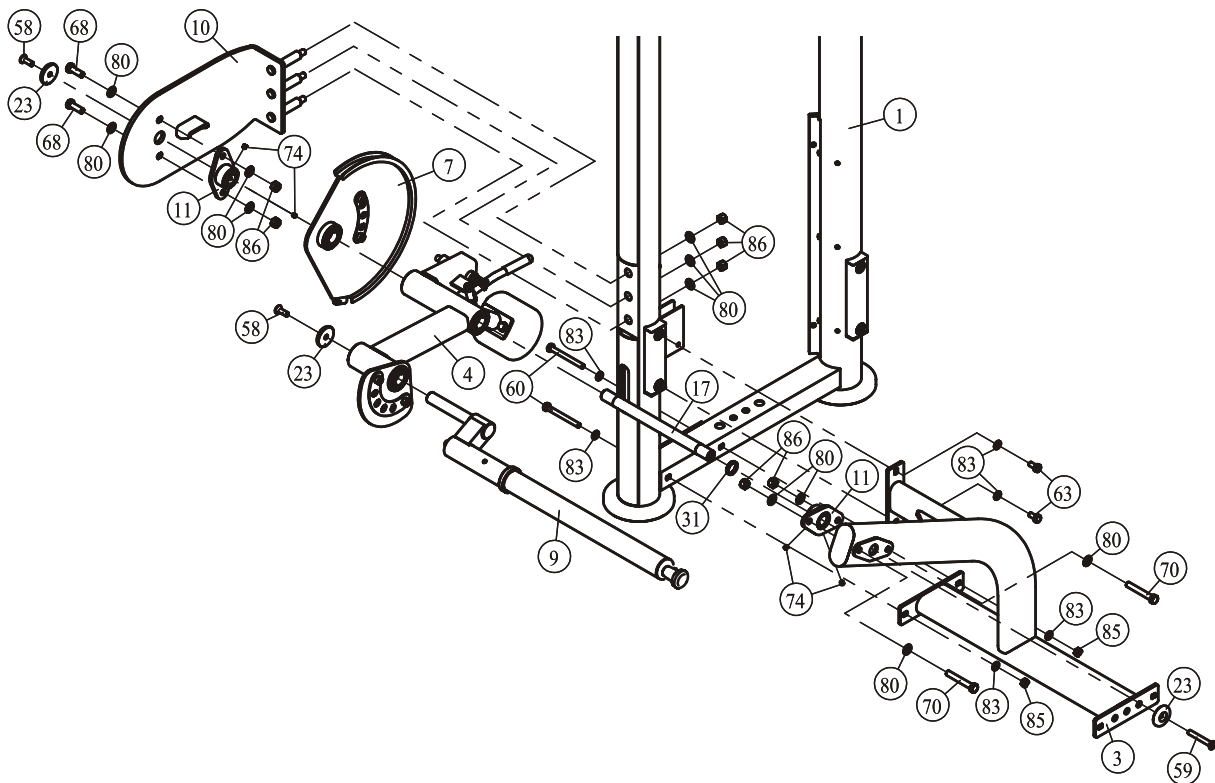


Assembly

STEP 2

1. Attach the Main Bracket (#10) to the Weight Stack Frame (#1) using:
three $\Phi 13 \times \Phi 24 \times 1.5$ Flat Washers (#80) three M12 Nylon Lock Nuts (#86)
2. Attach one Flange (#11) to the Main Bracket (#10) using:
two M12*35 HHB (#68) four $\Phi 13 \times \Phi 24 \times 1.5$ Flat Washers (#80)
two M12 Nylon Lock Nuts (#86)
3. Insert the Main Shaft (#17) to the Flange (#11).
4. Attach the Adjustable Cam (#7), the Movement Arm (#4) and the $\Phi 32 \times \Phi 25 \times 5$ Washer (#31) to the Main Shaft (#17).
5. Attach another Flange (#11) to the Main Shaft (#17), then attach it to the Bottom Cross Brace (#3) using:
two M12*80 HHB (#70) four $\Phi 13 \times \Phi 24 \times 1.5$ Flat Washers (#80)
two M12 Nylon Lock Nuts (#86)
6. Attach the Bottom Cross Brace (#3) to the Weight Stack Frame (#1) using:
two M10*100 HHB (#60) two M10*20 HHB (#63)
six $\Phi 11 \times \Phi 20 \times 2$ Flat Washers (#83) two M10 Nylon Lock Nuts (#85)
7. Attach two $\Phi 50 \times \Phi 10.5 \times 8$ Aluminum End Caps (#23) to the Main Shaft (#17), using:
one M10*30 FHCS (#58) one M10*75 FHCS (#59)
Tighten four M8*8 Socket Set Screws (#74) in two Flange (#11).
8. Attach the Swing Tube (#9) to the Movement Arm (#4) using:
one $\Phi 50 \times \Phi 10.5 \times 8$ Aluminum End Cap (#23) one M10*30 FHCS (#58)

Note: Hand Tighten Bolts and Nylon Lock nuts.

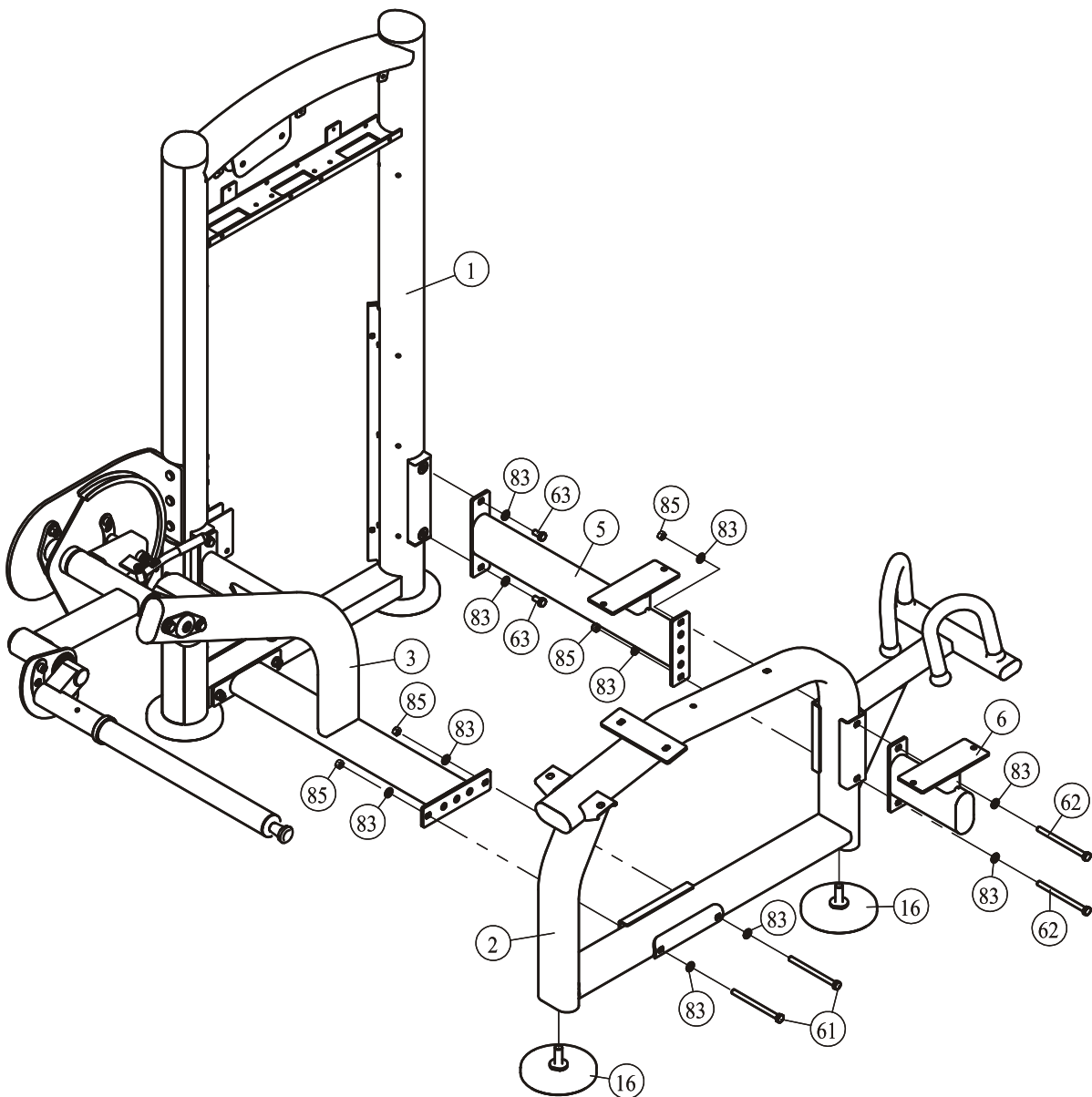


Assembly

STEP 3

1. Attach two Adjustable Foot plates (#16) to the Main Frame (#2).
2. Attach the Main Frame (#2) to the Bottom Cross Brace (#3) using:
two M10*135 HHB (#61) four $\Phi 11 \times \Phi 20 \times 2$ Flat Washers (#83)
two M10 Nylon Lock Nuts (#85)
3. Attach the Left Cross Brace (#5) and the Right Cross Brace (#6) to the Weight Stack Frame (#1) and the Main Frame (#2) using:
two M10*140 HHB (#62) two M10*20 HHB (#63)
six $\Phi 11 \times \Phi 20 \times 2$ Flat Washers (#83) two M10 Nylon Lock Nuts (#85)

Note: Wrench Tighten Bolts and Nylon Lock nuts.



Assembly

STEP 4

1. Attach:

two Guide Rod (#20)

ten Weight Plate 15LBS (#117)

two Weight Plate 5LBS (#115)

to the Weight Stack Frame (#1) using:

two M8*30 HHB (#75)

two $\Phi 9 \times \Phi 22 \times 1.6$ Flat Washers (#81)

two $\Phi 63.5 \times \Phi 19 \times 25.4$ Weight Rubber Bumper (#50)

three Weight Plate 10LBS (#116)

one Top Plate (#35)

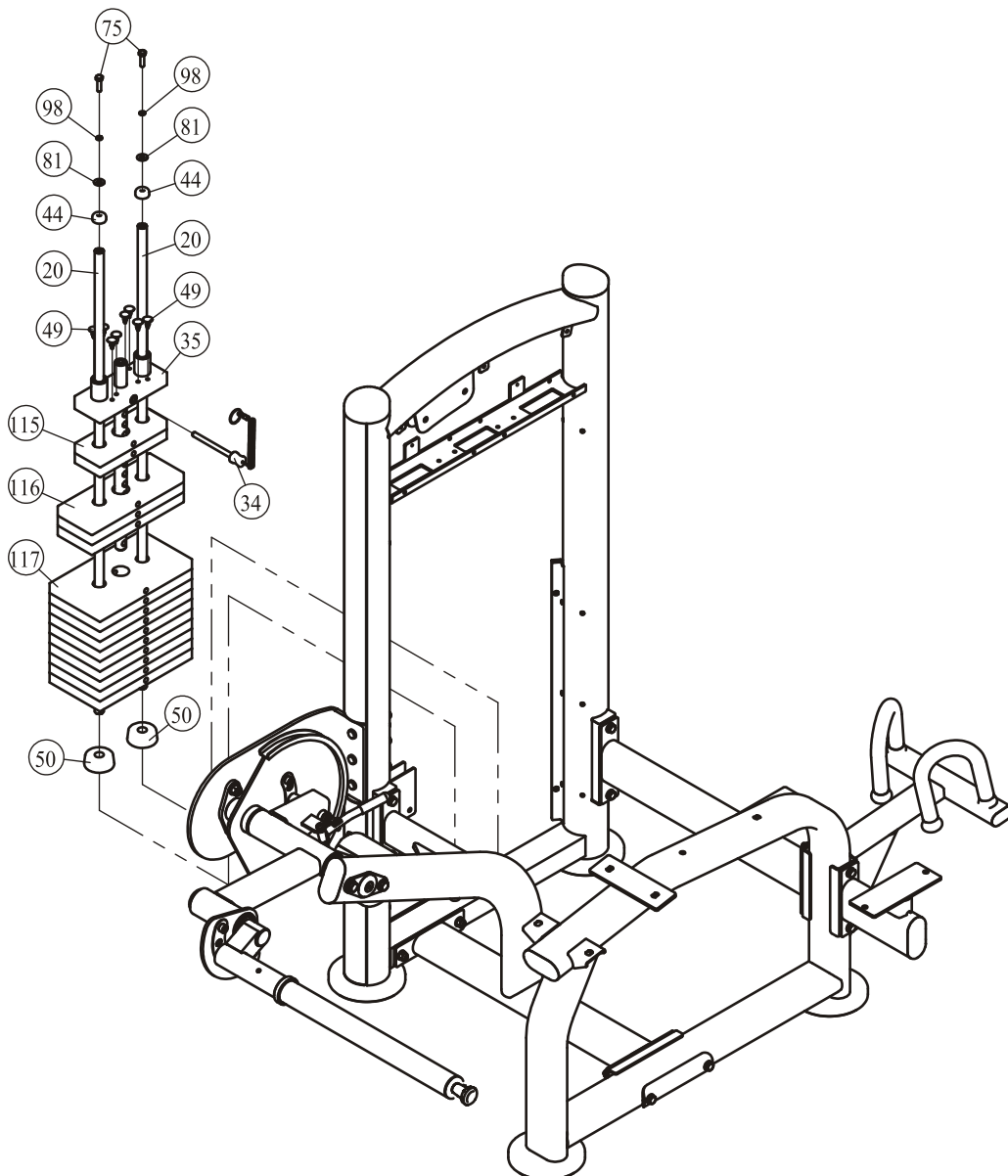
two $\Phi 8$ Spring Washers (#98)

two $\Phi 29 \times \Phi 19 \times 10$ Rubber Plugs (#44)

2. Attach the Selector Pin W/Coil (#34) to the Top Plate (#35).

3. Attach eight Buttons (#49) to the Top Plate (#35).

Note: Wrench Tighten Bolts and Nylon Lock nuts.

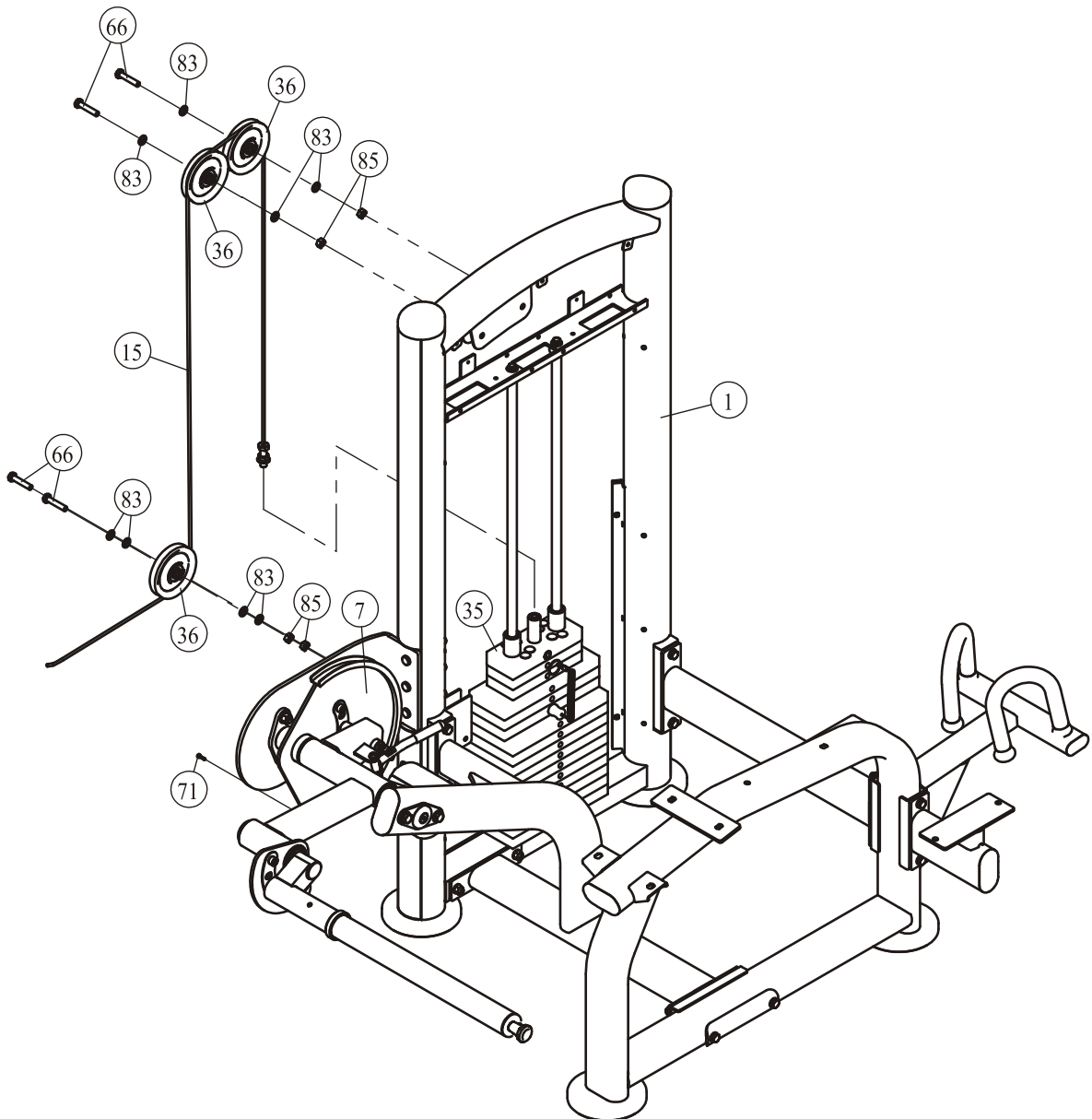


Assembly

STEP 5

1. Attach three 4.5" Pulleys (#36) to the Weight Stack Frame (#1) using:
four M10*50 HHB (#66)
eight Φ11*Φ20*2 Flat Washers (#83)
four M10 Nylon Lock Nuts (#85)
2. Attach the Cable (#15) to the Top Plate (#35), the Weight Stack Frame (#1) and the Adjustable Cam (#7), then tighten the M4*15 SHCS (#71).

Note: Wrench Tighten Bolts and Nylon Lock nuts.

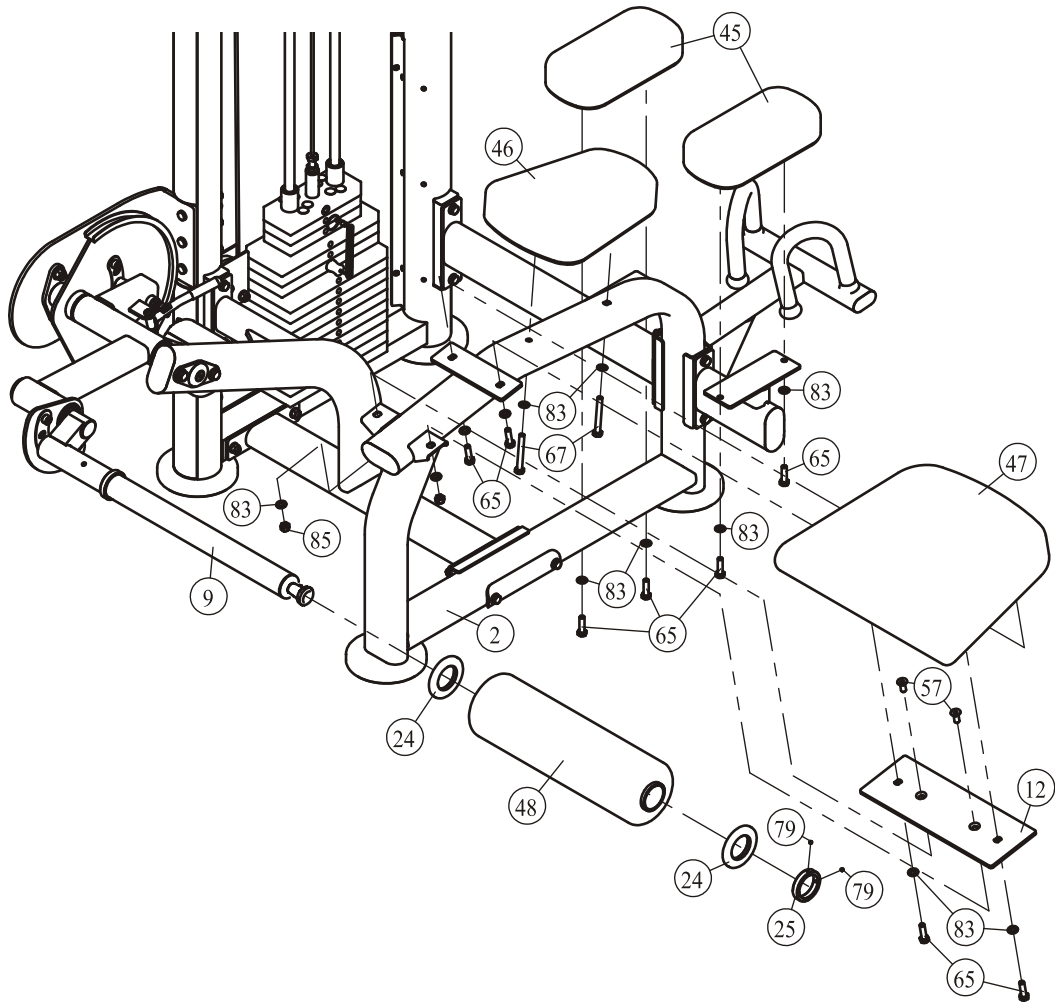


Assembly

STEP 6

1. Attach the Seat Pad Plate (#12) to the Main Frame (#2) using:
two M10*25 FHCS (#57) two $\Phi 11*\Phi 20*2$ Flat Washers (#83)
two M10 Nylon Lock Nuts (#85)
2. Attach the Seat Pad (#47) to the Main Frame (#2) and the Seat Pad Plate (#12) using:
four M10*30 HHB (#65) four $\Phi 11*\Phi 20*2$ Flat Washers (#83)
3. Attach the Seat Pad (#46) to the Main Frame (#2) using:
two M10*80 HHB (#67) two $\Phi 11*\Phi 20*2$ Flat Washers (#83)
4. Attach two Arm Pads (#45) to the Left Cross Brace (#5) and the Right Cross Brace (#6) using:
four M10*30 HHB (#65) four $\Phi 11*\Phi 20*2$ Flat Washers (#83)
5. Attach the Long Foam (#48) to the Swing Tube (#9) using:
two $\Phi 90*\Phi 51.2*8.5$ Big Collar (#24) one $\Phi 65.6*\Phi 51.2*12.7$ Big Collar (#25)
Tighten two 10-32*6.4 Socket Set Screws (#79) in Big Collar (#25).

Note: Wrench Tighten Bolts and Nylon Lock nuts.



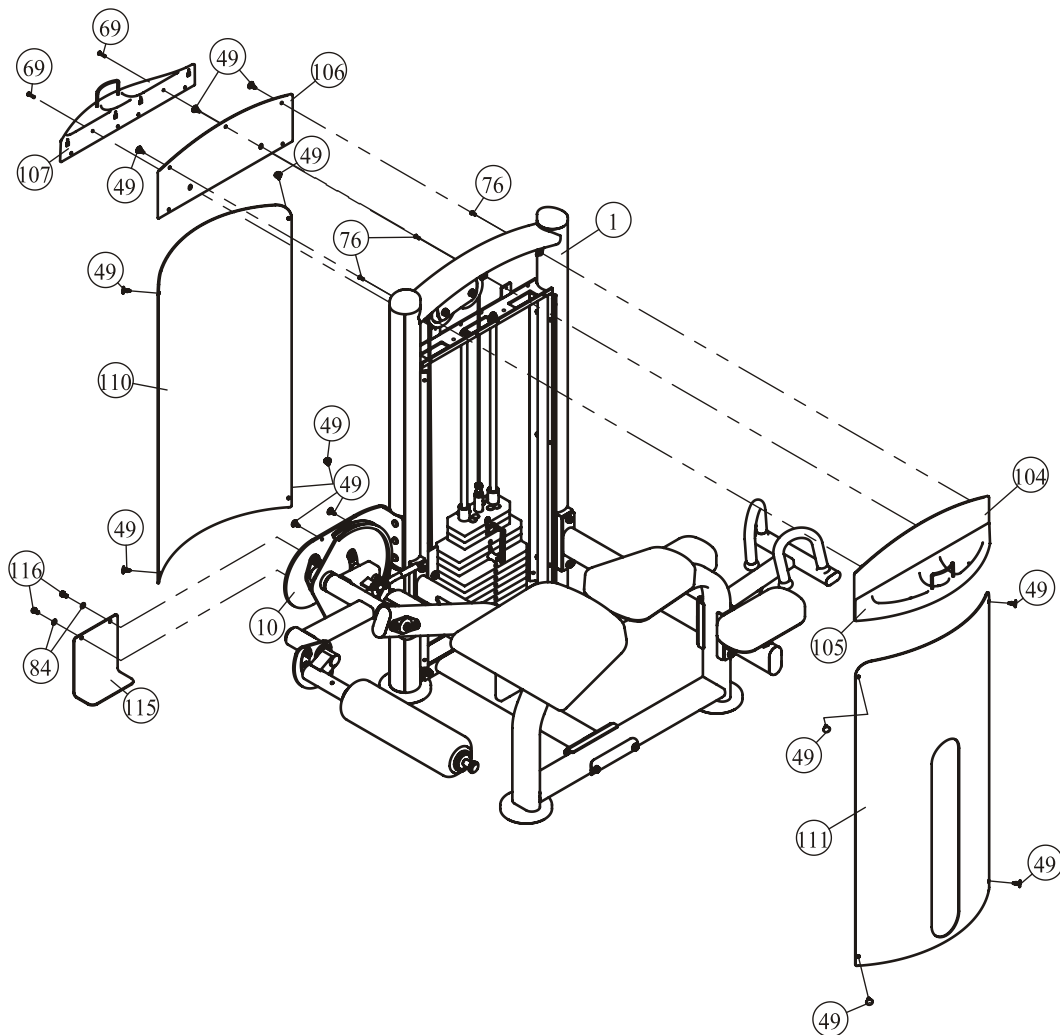
Assembly

STEP 7

1. Attach the Front Shroud (#111) and the Rear Shroud (#110) to the Weight Stack Frame (#1) using:
eight $\Phi 8 \times \Phi 20 \times 23$ Buttons (#49)
2. Attach the Top Front Shroud (#105) and the Support (#104) to the Weight Stack Frame (#1) using:
three M5*16 Flat Philips Screw (#76)
3. Attach the Top Rear Shroud-A (#106) and the Rear Support (#107) to the Weight Stack Frame (#1) using:
three $\Phi 8 \times \Phi 20 \times 23$ Buttons (#49) two M5*25 Flat Philips Screw (#69)
3. Attach the Baffle Plate (#115) to the main Bracket (#10) using:
two M8*15HHB (#116) two $\Phi 9 \times \Phi 16 \times 1.6$ Flat Washer (#84)
4. Attach two Button (#49) to the main Bracket (#10).

Note: Wrench Tighten Bolts and Nylon Lock nuts.

Here is the assembly instruction for **Flat Shroud !**



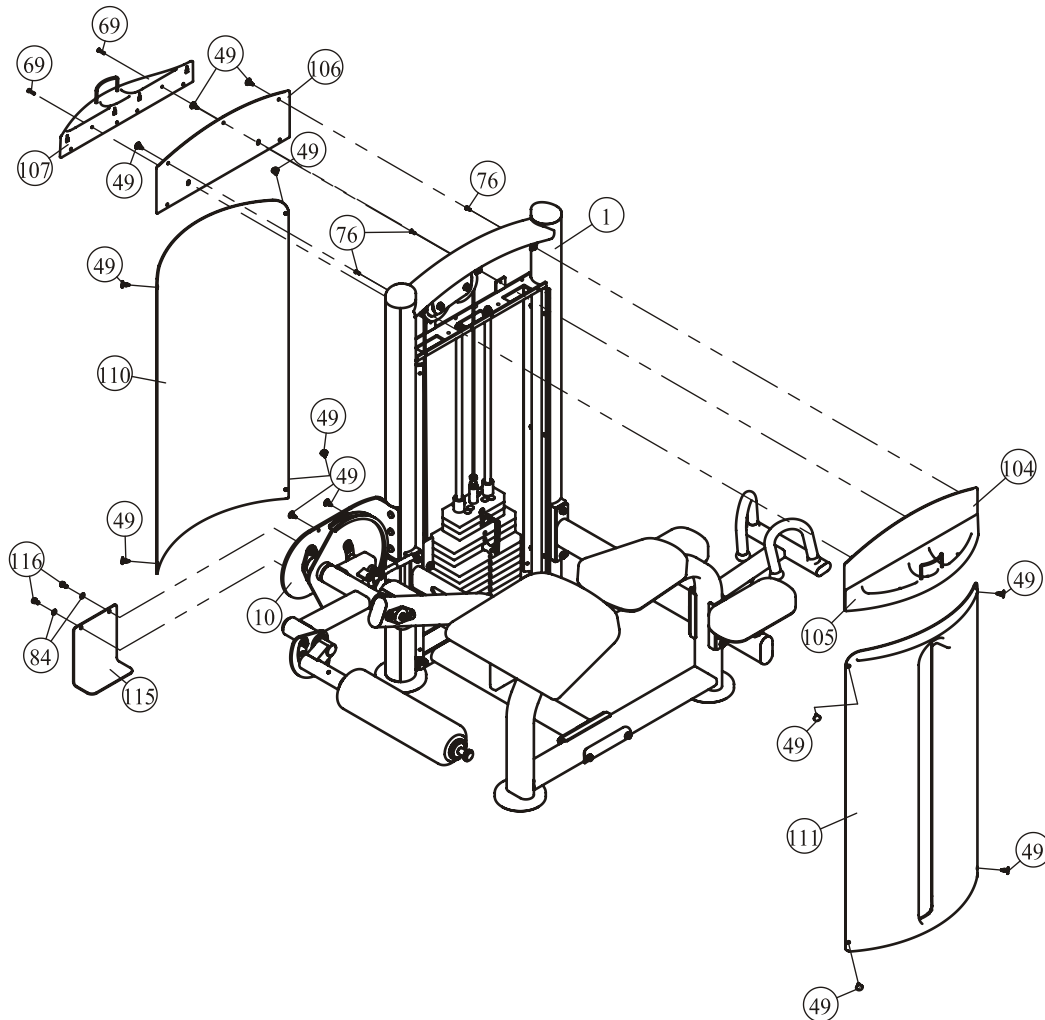
Assembly

STEP 7

1. Attach the Front Shroud (#111) and the Rear Shroud (#110) to the Weight Stack Frame (#1) using:
eight $\Phi 8 \times \Phi 20 \times 23$ Buttons (#49)
2. Attach the Top Front Shroud (#105) and the Support (#104) to the Weight Stack Frame (#1) using:
three M5*16 Flat Philips Screw (#76)
3. Attach the Top Rear Shroud-A (#106) and the Rear Support (#107) to the Weight Stack Frame (#1) using:
three $\Phi 8 \times \Phi 20 \times 23$ Buttons (#49) two M5*25 Flat Philips Screw (#69)
3. Attach the Baffle Plate (#115) to the main Bracket (#10) using:
two M8*15HHB (#116) two $\Phi 9 \times \Phi 16 \times 1.6$ Flat Washer (#84)
4. Attach two Button (#49) to the main Bracket (#10).

Note: Wrench Tighten Bolts and Nylon Lock nuts.

Here is the assembly instruction for **Molding Shroud !**



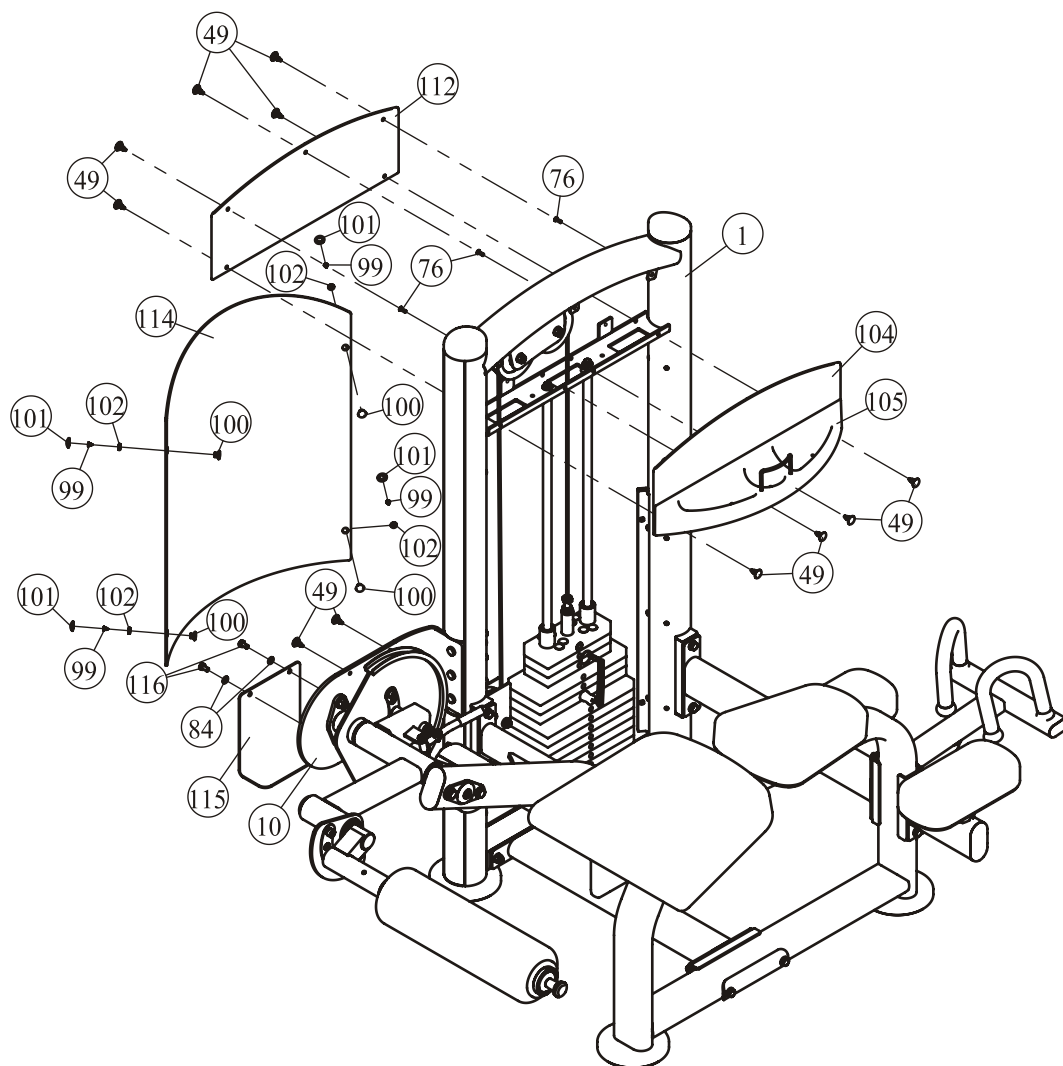
Assembly

STEP 7

1. Attach the Shroud (#114) to the Weight Stack Frame (#1) using:
 four $\Phi 18 \times 12$ Connect Buttons (#100) four $\Phi 13 \times 3$ Plastic Washers (#102)
 four ST4.2*10 Self-Tapping Screws (#99) four $\Phi 21 \times 5.7$ Plastic Covers (#101)
2. Attach the Top Front Shroud (#105) and the Support (#104) to the Weight Stack Frame (#1) using:
 four $\Phi 8 \times \Phi 20 \times 23$ Buttons (#49) three M5*16 Flat Philips Screws (#76)
3. Attach the Top Rear Shroud (#112) to the Weight Stack Frame (#1) using:
 five $\Phi 8 \times \Phi 20 \times 23$ Buttons (#49)
3. Attach the Baffle Plate (#115) to the main Bracket (#10) using:
 two M8*15HHB (#116) two $\Phi 9 \times \Phi 16 \times 1.6$ Flat Washer (#84)
4. Attach two Button (#49) to the main Bracket (#10).

Note: Wrench Tighten Bolts and Nylon Lock nuts.

Here is the assembly instruction for **Short Shroud !**



Adjust Instructions

Movement Arm adjustment

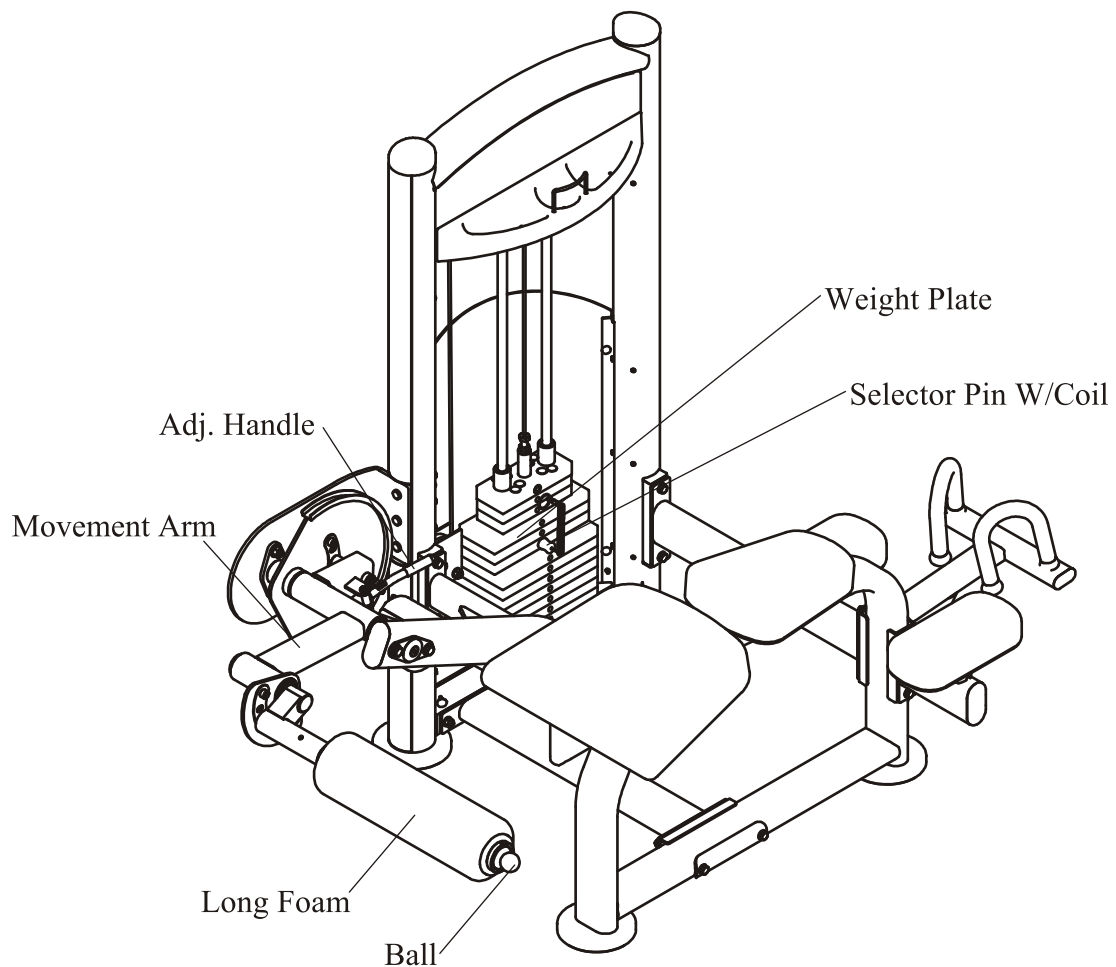
1. Pull the Adj. Handle adjust the Movement Arm to the desired position.
2. Make sure the pin gets into the hole completely.

Long Foam adjustment

1. Pull the BaLL adjust the Long Foam to the desired position.
2. Make sure the pin gets into the hole completely.

The use of Selector Pin

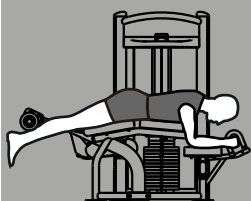
1. Select an appropriate weight and put the Selector Pin W/Coil into the hole on it.
2. Make sure the Selector Pin gets into the hole completely.



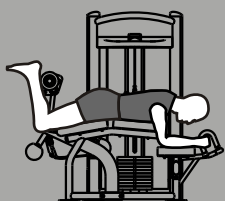
Exercise Instructions

V BENCH LEG CURL

Start

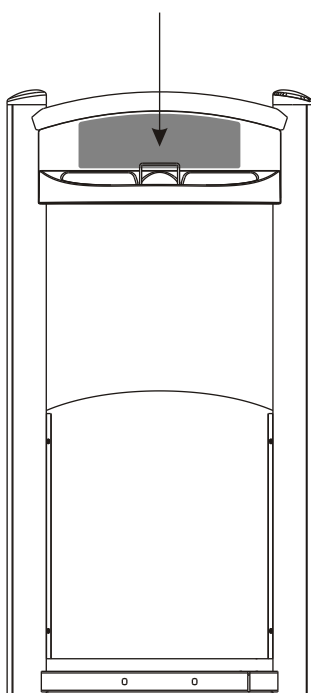
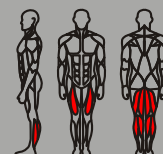


Finish



Exercise Instructions

1. Select an appropriate weight.
2. Select desired positioning, Hook both feet under the lower roller pad and curled legs.
3. Slowly return to the starting position.



Exercise Instructions

1. Select an appropriate weight.
 2. Select desired positioning, Hook both feet under the lower roller pad and curled legs.
 3. Slowly return to the starting position.
- (Adjust weight according to the select pin)

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 bolt 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.

